

# From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

**CONVENTION 1985 REALLY TAKING SHAPE!**...This year's WTFDA convention is going to be quite an event, especially for those of you members also interested in shortwave broadcasting. Host Ron LeBlanc has informed us that in addition to tours of local commercial AM, FM, and TV broadcasting facilities, the transmitter site of WRNO Shortwave will also be visited. Ron is busy planning quite a program for the gathering, which takes place August 2nd thru 4th. Accommodations are very reasonably priced, and will be at a 400-room motel that is part of the Travelodge group. Registration fee will be only \$20. More information on this is coming up in next month's VUD. Start thinking about your summer travel plans now--see you in New Orleans in August!

**GOOD READING...**Speaking of shortwave, a great introduction to the shortwave listening hobby (as opposed to our own "shorter wave" hobby) is a book called *The World Is Yours*, available for only \$2.95 plus \$1.00 shipping from Gilfer Shortwave, P.O. Box 239, Park Ridge NJ 07656. If you've never tried tuning the shortwave bands before, this book will show you how to get started.

**PROMO COLLECTORS...**Did you know about DECALCOMANIA? This is a club composed of people interested in radio and TV broadcast promotional material collecting, many of whom are DXers. If you like to collect station paraphernalia (such as bumper stickers, T-shirts, etc.) you'll want to find out more about this group. Contact them at Box 355, Berkeley CA 94701-0355.

**NEW 'TOY' FOR TV DXERS?**...Mitsubishi has a neat little device now on the market in North America that just may make TV DX photography obsolete. Their Video Printer produces "hard copy" of any image on a TV screen in black-and-white on a special thermal paper that looks as good as most conventional photos taken from a screen. West Virginia DXer Bill Swiger sends word on this device, which retails for less than \$400 in the U.S. As he says, it may soon be that "every TV DXer needs one!"

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Thanks to Toronto DXer Mike Reid for logos used on last month's cover.

This month's front cover by MAILBOX editor Alan Hyams.



## MAILBOX

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March, 1985

So you thought the logging procedures controversy was over? Not yet. Here are two more opinions for your perusal. By the way, what's your opinion?

**Dr. Bruce Elving:** "Steve Sprachman raises the issue that if you move anywhere in an area and receiving conditions change, then you must start over in counting log totals. I do not agree, because you could move one block and find conditions different; you could vary your conditions just by moving your antenna up or down on a mast; or if you live in a hilly area, by placing the antenna lower on the hill to block out stations from the rear. I think the mileage limitations mentioned in the VUD are adequate. When I DX from the Duluth, MN area I do not take notice whether the DX is from my mother's house in the downtown area with it's excellent receptionability to the south and southeast, or if I DX from my in-law's house in suburban Hermantown, where reception to the north and west is the best. Steve does not mention that over a period of time conditions in an area can change--usually for the worse. I was once able to DX from downtown Duluth to the north and west (even though the Duluth hill interfered to some extent). However, now that several 100-kw locals have come on the air operating 24 hours a day, one cannot aim the antenna in anything but a very narrow arc to the south and southeast and expect to get any DX.

Should I thus be victimized by having to confine by DX to only those directions? I once had DX from the other directions, and I know it's possible, but DXing should be fun and not an exercise in masochism. If I can take my receiver to two different locations and enjoy the hobby more fully, and still count all the stations heard as if from one general place, why not?"

**Harry Hayes:** "I...have this to say about the logging procedures debate. I don't think that there should be any debate at all. Controversies have a tendency to destroy dart leagues, softball teams and also DX clubs so I hope that this one goes nowhere further. The controversy itself is foolish since everyone has his own philosophy and way to DX and keep totals. I have read both Tom Yingling's and Robert Goodman's ideas about when to start a new log and I disagree with both. This doesn't mean that Tom and Robert are wrong. This is right for them. To try to impose rigid logging rules on the whole club membership, formulated by a few DXers is not only wrong in my view, but it also wouldn't work. I know I wouldn't start a new log because WTFDA decided to implement its' long debated "DXer's constitution", as it used to be called. I have DXing facilities twelve air miles apart, one being in a valley, the other at a high mountain location. The difference between the reception conditions at both locations is incredible, but since 1970, I've always kept a single log, mainly for simplicity's sake. I never felt the need for two logs since I'm not trying to impress anyone with my "skill." Personally, I've always felt that DXing was the DXer showing or reporting on what nature was capable of. How many stations I've received seems of secondary importance. Others will feel different, that DXing is a competition, perhaps, and this is all well and good for them. I feel that's what this hobby should be; individuality. So let's end controversy, especially that with no solution."

Relatively new WTFDAer Jim Campbell, of Anderson, SC, tells about his set-up:

"My set-up includes a 7' dish for UHF and a Radio Shack V-185 for VHF, with R/S pre-amps, and .410 coax on a 35' tower.

I really get a kick out of bragging about getting the Atlanta independent stations, especially WTBS, to my friends at work. I think some of them don't believe me."

Jim, there's nothing unusual about that. By the way, Mr. Camp-

(cont. next page)



bell also sent me a couple of questions of a technical nature. I've forwarded these to Tim McVey, our Technical Tonix editor. If you've any technical questions, he's the man. Write him at 4000 Knollbrook, NW, Huntsville, AL 35810.

The flurry of comments relating to my December, no excuse me, January editorial hasn't quite subsided yet. Paul Swearingen writes in on that subject and more:

"In the January 'Mailbox' column Alan Hyams expresses alarm that a poem using the name of Christ (written by Doug Dornbos and included in his December 'Antenna News' column) may offend some WFTDA members, and that religion does not have a place in the VUD. I feel that common sense should rule here, in the absence of specific rules proscribing certain subjects in the VUD, and I, for one, see nothing objectionable or harmful in this poem.

...Had Doug attempted to proselytize us, I, too, would have objected, but the poem is a simple expression of his faith and should offend no one of other faiths; although I am a born-again Christian, I would not be offended by a poem wishing me happiness through awareness of Allah, or whatever...

I'm more concerned that indiscriminate, knee--jerk censorship may become the rule in situations such as this. Let's keep VUD open to alternate viewpoints, and let all opinions be presented...in moderation. Frankly, as an ex-English teacher, I'm more offended by Doug's misspelling "yours"!

On an unrelated subject, I'd like to see knowledgeable WFTDA members prepare a survey of FM and TV rx's, whether portable, component or otherwise, as to which represents the best DX rx for the money, and which are dogs to avoid, with a chart of available features. I'd like to purchase a DX-quality FM tuner in the near future, and I'd like to get the most for my \$\$\$."

Offhand, Paul, I can't offer much advice on which rx's are the best, but as for dogs to avoid...well, if you're ever in NY, maybe I'll show you around my "kennel"!

Here's an interesting letter that came in from a Swedish DXer:

"I got a copy of the VHF-UHF Digest a couple of months back. It was indeed very nice but of course a little difficult to appreciate fully, living here on the other side of the Atlantic Ocean. I wonder if we ever get to hear any U.S. VHF skip? Probably not!

Still, I would like to get in touch with someone interested in radio and music. That should be a penpal who besides sending letters also would be interested in a future exchange of radio station recordings.

Regarding comments in the mag about last summer's poor VHF skip. The same noted here in Sweden. Although I haven't got any proper equipment, I used to TV and FM DX. In the summer of 1983, I had some TV DX almost every day. Most usual were Russian stations on lower channels. On FM, I heard skip several times that summer: Italy, France, England and so on.

But in 1984, I hadn't heard anything. Only when I was on holiday in England with my fiancée was I lucky enough to pick up some VHF skip. We were driving one afternoon when I suddenly started to hear strange sounds on my car radio and...then a lot of Spanish, Italian and Portuguese stations were heard, A holiday special!"

This fellow's name is Dick Gustavsson, and here's his address: Box 161, S-891 01 ÖRNSKÖLDSVIK, SWEDEN.

Till Next Time, 73s,

AL

# TELEVISION NEWS

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## LETV GRANTS

K22AM AZ Vernon  
K46AT CA South Oroville  
K35AI KS Iola  
W04BO MS Leland  
K28AK TX College Station; 1 kw; 222'  
W42AF WI Ripon; 1 kw; 200'  
K10MH HI Hanalei (Kauai); 25 w ERP  
K38AS ID Twin Falls; 8.15 kw ERP  
K58BS MN Mimeoapolis-St. Paul; 1.25 kw ERP  
K66CI NE Norfolk  
K09UG TX Childress; 108'  
W10AX FL Jacksonville; 10w TPO; 616'; omni.  
K52AQ NM Santa Rosa; 100'; or. 1430  
W08BY WI Milwaukee; 10 w TPO; 607.58'  
K14AR MT Glasglow; 100w TPO; 50'  
K32AO NM Central; Grant; 100 w TPO  
W63AS NY Westbury; CP to change TL  
K43AM IA Spirit Lake; 1 kw TPO; 150'; or. 0°  
K39AK UT Bonanza; 100 w TPO; or. 294°, 203°  
W52AC IN Geneva; 1 kw TPO; 150'; Omnidirect'l.  
K19AH UT Scipio; 100 w TPO; 100'; 8°, 244°, 230°  
752?? CA Redding  
W54AE KY Paducah; 1 kw; 414'; omnidirectional  
K51AY CA Needles; 100 w; 120'; orient 215°  
K43AN CO Loveland; 1 kw; 114'; Omnidirect'l.  
W04BR GA Atlanta; 10 w; 630'; omnidirectional  
W25AD GA Columbus; 1 kw; 420'; omnidirect'l.  
K24AK OK Weatherford; 100w; 303'; or. 135°  
K19AI WY Cody; 250'; omnidirectional  
W02BG MS Biloxi  
K05HX TX Lufkin; 100 w; 460'; orient 240°  
W29AC ME Waterville; 1 kw; 400'; omnidirect'l.  
W36AD IN Indianapolis; 1 kw; 52'  
K56CC AZ Rock Point; 10 w; 80'; 70°, 160°, 260°  
K45AR MN Eagle Bend; TL Eagle Bend School  
W19AF OH Bryan; 100w; 150'; or. 152°  
K51AZ OK Muskogee; 100w; 238'; omnidirect'l.  
K34AJ SD Sioux Falls; 100 w; 230'; omnidir.  
W58AR FL Destin; 1 kw; 155'; or 90°  
K47AR NV Ely  
K60CG TX Snyder; 100'  
W53AG AL Russellville; .7 kw ERP; 246'  
W22AE OH Bucyrus; .201 kw ERP; 203'  
K05HR TX Livingston; .025 kw ERP; 270'; re-broadcast KUHT, ch. 8  
W53AH FL Vero Beach; 1 kw; 465'; or 165°, 345°  
? OR Coos Bay; 100w; 50'; or. 260°  
K11RR CO Sterling; 604'; or. 295°  
K25AM NM Truth or Consequences; 100w  
W66AT VT Stowe; 100w; TL Edison Jill  
W68BL NC Charlotte; 1 kw; 287'; omni  
K47AS MO Columbia; 212'; omnidirectional  
K38AU NM Crownpoint; 55'; 3 mi NW of Tohatchi  
K44AK ND Williston; 110'; omnidirectional  
K13UI UT Moab; 10w; 90'; 132°, 312°, 45°, 27°  
K11RU UT Moab; same as above  
K18AR MO Trenton; 100w; 150'; omnidirectional  
K07TE WY Rawlins; 10w; 40'; or. 350°  
K25AO IA Eldon; 100 w; 150'; omnidirectional  
K25AN IA Polk City; 1 kw; 1539' (KCBR-TV twr)  
K42AR MO Prairie City; 200'; omnidirectional  
K34AK WA Lynden; 100w; 175'; KLYN-FM tower  
K11RS LA Many; 150'; or. 326°

K25AP NM Deming; 100 w; 40'; omnidirectional  
W26AC NY Kerhonkson; 100w; 150'; omnidirect'l.  
K36AL CA Paso Robles  
K59CQ NV Fallon; 100w; 100'; omnidirectional  
K11RT TX Jacksonville; 10w; 80'; or. 157°  
W53AH FL Vero Beach; 1 kw; 465'; or 165°, 345°  
W51AG ME Presque Isle; 1 kw; 290'; omnidirect.  
K14AS MT Chinook; 150'; or. 323°  
W34AA IL Centralia; 1 kw; 225'; omnidirectional.  
K40AT KS Hiawatha; 1 kw; 281'; omnidirectional  
K40AS KS Topeka; 1 kw; 410'; KMAJ(FM) tower  
W23AB ME Waterville; 1 kw; 400'; omni.  
K28AL MN Marshall; 100w; 100'; or. 50°  
K12NB OK Poncas City; 10w; 77'; omnidirect'l.  
K24AL UT St. George; 226'; or. 235°  
K50AP HI Honolulu; 14 kw ERP; 359'  
K29AF HI Lihue; .9 kw ERP; 100'  
K28AI MN Foxhome; 4 kw ERP; 150'  
K55DW NM Farmington; 1.25 kw ERP; 247'  
K48AW NM Shiprock; .6 kw ERP; 55'  
K60CI ID Twin Falls; 100w; 100'; or 4°, 189°  
K36AJ OK Strong City, Leedy, Hammon; .6 kw ERP  
K27AL WA Aberdeen; 4 kw ERP; 181'  
K14AT CA China Lake  
K61CU NE Lincoln; 100w; 198'  
K42AS ID Osburn; or. 4°, 52°, 322°  
K23AJ ND Devils Lake; 100w; 100'  
K30AM KS Lawrence; 11 kw ERP; 605'  
W38AE KY Murray; 8 kw ERP; 205'  
K65CQ OK Oklahoma City; 5 kw ERP; 1619'  
K27AM OK Bend; 24 kw ERP; 150' (to rebroadcast KFCB, ch. 42)  
K07TB TX Snyder; 155w ERP; 117'  
K46AR WY Laramie; 1 kw ERP; 250'

## TRANSLATOR GRANTS

W46AG NC Boone; 100w; 198'; WUNL-TV, ch. 26  
K35AF CO Delta; KUJT-TV, ch. 8  
K60CF CO Boulder; KBDI-TV, ch. 12  
K68BY CO Colorado Springs; KBDI-TV, ch. 12  
K13UF ID Rexsvurg, St. Anthony; KPVI-TV, ch. 6  
K53BL MN Baudette; KOUB-TV, ch. 4; 1.49 kwERP  
K06LM NM Albuquerque; KOB-TV, ch. 4  
K07SZ ID Elk Bend; KIFI-TV, ch. 8; ex-K12IF  
W55AW GA Savannah; KUSK, ch. 7 via satellite  
W69BB TN Nashville; WRBV, ch. 65 (which is no longer an STV station)  
K55DY MN Grygla; KXJB-TV, ch. 4; 100w TPO; 500  
K39AL IA Nel, Til. Elgin, Elk VA; KTIV, ch. 4  
W69AU AL Mobile; WPAF, ch. 53  
W05AW VI Charlotte Amalie  
K57CY CO Cotopaxi, Cre (CO); KTSC, ch. 8; 1 w  
K59CL CO Coalclab; KTSC, ch. 8; 1 w; 10'  
K07TD CO Craig; KCWS, ch. 3; 10 w  
K44AP OK Elk City, Canute; KOKH-TV, ch. 25  
K02MO WA Oroville; from K05AM  
K12KH KS Quinter; KWNE-TV; 5w; 151'  
K30AP ND Milton; KXJB, ch. 4; 1 kw; 499'  
W65AW VA Norfolk, Portsmouth, etc.; KUSK, ch 7  
K65CS MN Norris Camp; KXJB, ch. 4 (IN-proposed Grygla translator)  
K08HC CO Jacks Cabin; KUSA, ch. 9; 10w  
K06JN OR Schwat-Severance  
K67CW OK Woodward, etc.; 100w; 300'; or 360°  
K50AS CO Denver; KBTB, ch. 9, via K05GI  
W65AV PA Harrisburg; 100'  
K67CV NE Lincoln; KUSK, ch. 7, via Westar I.

**LPTV LICENSES**  
 W64AU WI Adams W43AG KY Hopkinsville  
 W17AB FL Tallahassee K31AH WA Omak; Okanogan  
 K41AK TX Fairfield K43AJ SD Sioux Falls  
 K29AD TX Corsicana K42AM IA Ottumwa  
 K21AG HI Wailuku K45AR MN Eagle Bend  
 W69AX FL Perry

**TRANSLATOR LICENSES**  
 K06EB MT Brusett, etc. K13LK WY Sheridan, etc.  
 K55DP NV Reno K07SZ ID Elk Bend (ex  
 W57AS WI Spooner K12IP)  
 K11RN WY Douglas K51AU ID Twin Falls,  
 K13UF ID Rexburg, St. Jerome  
 Anthony  
 W63AR WI Ladysmith K12MX OR Monument  
 K55CM OR Gold Beach W68BJ NY Dewitt  
 W13BB VA Bergton, W11AZ VA Harrisonburg  
 Criders W07BL VA Harrisonburg  
 K57CX MT White Sul- K21AJ WA Quincy  
 phur Springs K44AP OK Elk City,  
 K10MF UT Cedar Canyon Canute

The above information is from the FCC news releases, which I am no longer receiving. Plus a few other references for a small portion of the above. Judging by gaps in the call letter patterns and the fact that there was hardly any overlap of information between the sources, I suspect that the above list is only a part of FCC actions over the past few months.

Periodic updates to the WTFDA Translator-LPTV list will therefore be impractical, and any future list very likely would not have primary stations for translators. Many new stations in the western states not only are eliminating translators that would cause interference, but they are also closing down hub translators, vital links to other translators. With some of these new stations becoming network affiliates, the need for many translators no longer exists.

One member pointed out several months ago that, with Minnesota as an example, when a primary station changes its network affiliation, some of its translators may find themselves duplicating programming already carried by a local station. Face it, people watch translators for network programming, not local news. If your community has ABC, but no NBC, it would pay somebody to erect a chain of translators to carry a distant NBC station. But what happens if your local switches to NBC later on? You have a worthless chain of translators unless you can get a distant ABC station to allow its signal to be rebroadcast.

The 1984 Translator-LPTV list unfortunately had to depend on an 1982 list for primary stations, since the FCC data base no longer lists primary stations. There is very little information listing changes in primary stations, especially since the FCC made such changes easier.

But in the past few years, there have been changes in network ratings. ABC went from the bottom to the top; NBC fell to the bottom; CBS replaced ABC at the top; now NBC is slowly working its way back up. Meanwhile, stations in areas not served by all three networks have taken the opportunity to switch to a more pop-

ular network. It started with several NBC affiliates going to ABC, and then some to CBS. This resulted in translators having to change their primary station because they began carrying an ABC affiliate when there already was a local ABC in their coverage area.

With the Translator-LPTV list now published, changes are sure to be made. Fred McCormack, who has kept a list of translators in his area based on his own observations, sent me an extensive list of changes in the midwest which have resulted partly from some of the network changes in that area. The following is from the list of revisions which he sent me.

IA K41AD, Lansing: Primary=KYIN, ch. 24 via K14AF; often seen rebroadcasting KMEG-14.  
 MN K20AC, Wadena: should be 14 kw ERP  
 MN K36AA, Alexandria: Primary=WDAY, ch. 6  
 MN K38AC, Alexandria: Primary=KMSP, ch. 9  
 MN K48AA, St. James: now ON-TV, scrambled  
 MN K48AO, Bemidji: IN-K61BH  
 MN K50AG, Willmar: Primary=WTGN, ch. 11  
 MN K50AM, Roseau: Primary=KXJB, ch. 4  
 MN K56BZ, Appleton: Primary=WTGN-11 via K50AG  
 MN K58AF, Windom: Primary=KSTP-5 via K32AF  
 MN K59BT, Donnelly & Herman: IN-K38AC  
 MN K59CK, Brainerd: Fred has this as a LPTV Construction Permit, and says that input from K69CR, 90 miles away, seems unlikely. Could very well be LPTV, but the 90 miles mean little, as many translators pick up other translators via microwave relays.  
 MN K60AB, Appleton: IN-K14AD  
 MN K60AD, Windom: IN-K46AA  
 MN K61AU, Granite Falls: IN-K51AL  
 MN K61BJ, Donnelly & Herman: IN-K56AA; Primary is WDAY, ch. 6  
 MN K62AI, Windom: IN-K46AA  
 MN K63AU, Granite Falls: IN-K55CK  
 MN K64BG, Starbuck: KTHI, ch. 11, via MR  
 MN K65BA, Granite Falls: IN-K49AJ  
 MN K66BA, Starbuck: KMSP, ch. 9, via MR  
 MN K67BZ, Walker: KBJR, ch. 6 via K59BQ  
 MN K67CT, Grand Marais: primary is WDBS, ch. 8  
 MN K68BT, Starbuck: via MR. K58AT has never operated, and probably never will be.  
 MN K69CP, Walker: KTSP, ch. 5, via K22AC  
 MN K69DP, Granite Falls, IN-K53AO

(No longer on: Olivia MN translators K70EU, K72DJ, K74DN, K76CU; Bemidji MN translators K72DT, K75AM, and K80CK.)

NE K22AH, Wallace: IN-K57CZ as shown on the data list, not IN-K04ED as indicated on the drawing. I relied heavily on a 1980 data base list for the drawings.

ND K04QC, Beach: primary might be KQCD, ch. 8  
 ND K04CU, Medora, probably off; is within Grade B signal area of KQCD, ch. 7

ND K06IB, Minot: went off when KSRZ, ch. 6, signed on.

ND K06LD, Fargo: Mystery CP. WDAY operates on ch. 6 in Fargo. Fred says coordinates for this CP listed in Television Digest plotted around Fergus Falls, MN, which is still too close to Fargo for a ch. 6 xltr.  
 ND K07BJ, Bowman: off to protect KQCD, ch. 7?  
 ND K07EI, Hettinger: same as above.

ND K07EZ, Beulah: probably off due to KQCD-7  
 ND K07HN, Dickinson: off due to KQCD, ch. 7  
 ND K07JA, Hazen: probably off due to KQCD  
 ND K07KL, Dunn Center: same as above  
 ND K07LN, Marmarth: may be off due to KQCD-7  
 ND K09BE, Mott: Probably off due to KDSE-9  
 ND K09BZ, Beulah: probably off due to KDSE-9  
 ND K09JF, Bowman: probably off due to KDSE-9  
 ND K09JR, Hazen: probably off due to KDSE-9  
 ND K10KW, Belfield: definitely off; not needed with KQCD on the air.  
 ND K12JC, Sentinel Butte: might have changed ins input to KQCD, ch. 7; maybe now off.  
 ND K22AK, Devils Lake: now on the air.

"Up until 1980, the only full service station available in southwestern North Dakota was KDIX-2 and since it was primarily CBS... a number of translators were started to carry NBC via... KFYR-5 or KUM-8. Most of these translators were put on channel 7 and a few on channel 9 which were vacant channels at Dickinson." "I believe that the bulk of these translators are now off the air, as the programming which many of them carried is now available more directly via... KQCD-7 which came on the air at Dickinson in... 1980; and additionally, many of them would now be vulnerable to interference, to or from, KQCD-7 and KDSE-9, a PBS station which came on the air at Dickinson."

"A number of the translators which are in the list for South Dakota Public Television are apparently no longer on the air, having lost their usefulness when some of the later SDPTV stations came on the air." "South Dakota Public TV runs a slide at sign on which lists the translators which they operate. It does not include a number of translators which are still in the FCC data base."

SD K04GV, Philip: apparently off the air.  
 SD K07JD, Aberdeen: still on; most likely input would be KDSD, ch. 16.  
 SD K07KA, Midland: apparently off the air.  
 SD K76DB, Sisseton, apparently off the air.  
 SD K55BG, Wagner: SDPTV ID slide has W55BG!  
 SD K71CJ, Garden City: apparently off the air  
 SD K76CZ, Aberdeen area: apparently off.

#### APPLICATIONS FOR NEW TELEVISION STATIONS

CH ERP HAAT STATE/CITY/APPLICANT  
 28 5000 507 MS McComb; Southwest Communic'n's  
 51 1000 1635 WA Sumner; C.R. Pasquier Assoc.  
 25 5000 990 TX Conroe; Imagists  
 55 5000 1698 TX Conroe; Carmen Matias  
 36 1092 953 SC Charleston; DW&M Broadcasters  
 54 5000 1581 CA Avalon; Petrum Broadcasting (same group trying for Vineland, New Jersey)  
 60 4366 925 FL Sebring; Ridge Broadcasting  
 60 5000 1006 FL Sebring; Channel 60 Inc.  
 60 5000 830 FL Sebring; Hunt Partnership  
 54 5000 1335 NE Omaha; Omaha Telecasters  
 54 5000 696 NE Omaha; Maryland Williams  
 54 5000 1296 NE Omaha; Minority TV of Omaha  
 59 5000 503 NJ Vineland; Rita Wyse  
 59 5000 952 NJ Vineland; Family Television Network (No information on proposed TL for these two, but to protect WNJT-52, a

ch. 59 in Vineland would have to put its transmitter south of a line running from Bridge-ton to midway between Vineland and Millville.

53 4900 1450 OK Tulsa; Tulsa Television Ltd.  
 53 5000 1510 OK Tulsa; Native American Bc'g Co  
 53 5000 683 OK Tulsa; EAM Broadcasting  
 52 2500 1370 TX Blanco; Opal Chaldwell  
 29 5000 971 TX Decatur; Chavala Broadcasting  
 29 5000 910 TX Decatur; Karen L. Hicks  
 50 5000 1131 TN Memphis; Wolf River Broadc'ng  
 50 5000 1200 TN Memphis; EAM Broadcasting  
 50 5000 800 TN Memphis; Kyles Broadcasting  
 50 5000 609 TN Memphis; Dorothy B. Evans  
 50 5000 921 TN Memphis; Channel 50 of Memphis  
 52 5000 994 TX Fort Worth; Alden Television  
 52 5000 1095 TX Fort Worth; Nuevo Mundo Bc'g  
 52 5000 1200 TX Fort Worth; Fort Worth Telev'n  
 52 5000 1200 TX Fort Worth; Channel 52 Ft Worth  
 52 5000 1500 TX Fort Worth; EAM Broadc'g Co.  
 52 5000 645 TX Fort Worth; Carter Broadcasting  
 52 5000 930 TX Fort Worth; Benjamin T. Perry  
 52 5000 1992 TX Fort Worth; Channel 52 Limited Partnership  
 52 2768 1088 TX Fort Worth; Rebecca R. Henton

#### APPLICATIONS DISMISSED

TX Houston; ch. 61; Houston Family Television; SMJ Television Company; Urban Broadcasting Systems (Initial decision; applications are three years old!)  
 FL Miami; ch. 35; Rene Antonio Lopez  
 OH Toledo; ch. 24; Lake Erie Communications  
 RI Block Island; ch. 69; John Joseph Fuller & Jerrel E. Kautz  
 WA Seattle; ch. 45; TV45 Associates  
 GA Bainbridge; ch. 49; Bainbridge Post-Searchlight Inc.; Bainbridge Telecasting Inc. (settlement agreement)  
 CA Barstow; ch. 64; Wm. R. Stinchcomb & Gregg S. Carpenter, General Partnership (settlement agreement)  
 KS Lawrence; ch. 38; Demming Santee (settlement agreement)  
 LA Shreveport; ch. 33; Shreveport Metro Communications 33 Ltd.; Godfrey & Associates; Shreveport Television Company; application by Great Southern TV Broadcasting (formerly Drew & Kemmerly, proposing Bossier City as community of license).  
 TX Katy; ch. 51; Louise Brunson (still other applicants contending for the channel).  
 NM Gallup; ch. 10; Contemporary Communications Inc.; Haynes Communications Company (settlement agreement).  
 VA Virginia Beach; ch. 43; Tidewater Broadcasting Company; Tidewater Christian Communications Corp.; Virginia Beach Television Ltd.  
 IN Hammond; ch. 62; Pan American Broadcasting Company (reversal of initial decision; Pan American was originally selected because of integration proposal, but the FCC Review Board favored Jovon Minority Broadcasting because of its superior coverage area proposal); Cross Country Network Inc.; Hammond Indiana TV Inc.  
 FL Boca Raton; ch. 63; Full Gospel Church of the Living God  
 AK Seward; ch. 9; Minority TV of Seward

CA Vallejo; ch. 66; Golden State Television.  
CA Visalia; ch. 49; Community ETV Inc. (settlement agreement)  
NC Belmont; ch. 46; ACTS of Metrolina; Jimmy Allison.  
AZ Phoenix; ch. 3; Jason Communications Inc.

# CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

15 5000 461 IA Ottumwa; Haynes Communications  
52 1000 1500 MD Cumberland; Contemporary Communications  
17 1636 791 ID Sioux Falls; Family Bc'g Inc.  
36 515 487 TX Odessa; Odessa Junior College  
61 4781 1957 TX Houston; Alliance Broadcasting Co. Ltd. (Initial dec'n)  
49 5000 1140 GA Bainbridge; Bainbridge Communications Ltd.  
64 1202 48 CA Barstow; Sunbelt Television (Television Digest had completely different figures.)  
38 699 768 KS Lawrence; Miller Broadcasting  
33 2483 1202 LA Shreveport; Media South Bc'g  
10 316 1269 NM Gallup; Grand Canyon Tele'n  
52 105 1020 NY Ithaca; Ithaca TV Associates (Initial decision)  
43 5000 425 VA Virginia Beach; Summit Communications Inc. (Initial dec'n)  
62 5000 625 IN Hammond; Jovan Minority Broadcasting Corp. (Review Board reversal of initial dec)  
14 1660 3836 UT Salt Lake City; American Television of Utah, Inc.  
49 3650 2247 CA Visalia; Diocese of Fresno Educational Corporation  
27 14.8 567 IL Quincy; West Central Illinois Educational Telecommunications Corp.

# CONSTRUCTION PERMITS CANCELLED

FL Palm Beach; ch. 61; EFGC  
MT Bozeman; KCTZ, ch. 7  
TX Tyler; KCKU, ch. 14

# APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

61 2900 1558 MI Bay City; WVGJ  
49 2690 1330 NY Buffalo; WNYB-TV  
66 1170 943 MI Flint; WSMH  
35 5000 1485 TX Kerrville; KRRT  
50 3041 n.c. UT Ogden; KOOG-TV  
21 4336 1400 AL Mobile; WMPV-TV (I had this CP listed as cancelled two years ago; must have been reinstated.)  
19 2726 1243 OK Muskogee; WKMO  
47 1525 1015 PA Altoona; WKBS-TV  
32 n.c. 424 HI Honolulu; KBFJ  
67 5000 1783 TX Alvin; KZEI  
38 3700 n.c. PA Scranton; WOLF-TV  
32 n.c. 842 OR Salem; KUTV  
15 2858 1417 TX Abilene; KSUZ-TV  
16 1169 642 KY Somerset; WLTK  
55 - - PA Lebanon WGGF (from ch. 59, as per changes in the table of channel assignments.)  
18 2820 1080 TX Wichita Falls; KJTL

# CONSTRUCTION PERMIT MODIFICATIONS GRANTED

18 2490 1966 AZ Tucson; KDFU-TV  
40 1534 2029 AZ Tucson; KPOL  
26 3720 640 CT New London; WLCT  
56 1260 1250 KY Danville; WKYK-TV  
28 1698 792 SC Hardeeville; WTGS

66 1170 943 MI Flint; WSMH (application dated 12/4/84 but granted 11/30/84? Sounds fishy.)  
22 n.c. 894 WA Seattle; KTZZ  
16 1897 458 FL Key West; WTKW  
68 90.2 1984 PR Humacao; WWSN (note call letters; they weren't reported yet.)

33 5000 924 FL Miami; WBFS-TV  
14 5000 1372 CO Boulder; KTVJ

# APPLICATIONS FOR CHANGES IN FACILITIES

57 1310 1580 KY Hazard; WKYH-TV  
23 1951 n.c. IL Decatur; WPHL  
11 263 n.c. NM Santa Fe; KCHF  
3 n.c. 1953 NC Wilmington; WWAY  
51 1326 1051 PA Reading; WTV  
16 660 n.c. PA Pittsburgh; WQEX  
5 100 801 TX Lubbock; KTXB-TV  
22 1381 1560 PA Scranton; WDAU-TV  
23 5000 ? VA Huntington; WPHY

# FACILITIES CHANGES GRANTED BY THE FCC

FL Tallahassee; WTXL-TV, ch. 27; granted CP to change ERP from 1416 max/566.2 hor to 1184.7 kw max; 864' AAT/868' AG/1013' ASL (32' lower).  
MO Kansas City; KEKR-TV, ch. 62; granted MP to change ERP to 1660 kw max; 1120' AAT/1142' AG/1969' ASL. Presently licensed for 1868 kw max/110 kw hor; 1120' AAT/1225' AG/2049' ASL. I don't have record of any previous construction permit.

OH Canton; WOAC, ch. 67; granted CP to lower ERP from 1429 kw to 1230 kw; antenna to be raised to 860' AAT/824' AG/2028' ASL (623' higher ASL, 572' higher AAT); TL to 0.3 mile north of intersection of State Street and Preston Avenue near Louisville; 9.73 miles at azimuth 1150° (ESE) from the present TL. Higher antenna should compensate for power reduction.

OH Dayton; WKCF, ch. 22; granted CP to reduce ERP from 2340 kw max to 1858 kw max, according to Broadcasting magazine. I had them applying for 1858' AAT and 1858' AG, with no change in ERP. Who's right?  
AR Fort Smith; KHBS, ch. 40; granted license to cover changes: ERP increased from 646 kw max/417 kw hor to 3160 kw max/933 kw hor; antenna raised to 2000' AAT/229' AG/2609' ASL (1680' higher ASL); coordinates 35°04' 16"/94°40' 46"; TL to Cavanal Mountain, 3.3 miles WNW of Poteau (28.23 miles at azimuth 216° (SW) from previous site. This should give a larger coverage area and less overlap with satellite station KTVF, channel 29 in Fayetteville.

IN Indianapolis; WTHR, ch. 13; granted license to cover MP for changes: ERP from 295 kw to 316 kw max; 980' AAT/1040' AG/1864' ASL. But I have another reference which calls for 970'/968'/1792.

TX Dallas; KRLD-TV, ch. 33; granted license to cover changes (see 7/84 VUD).  
TX El Paso; KDBC-TV, ch. 4; granted license to cover changes: ERP increased from 61.7 kw to 100 kw max; 1563' AAT/410' AG/5610' ASL (325' higher ASL; 302' higher AAT); coordinates 31°47' 46"/106°28' 57" (0.24 mile NNW of previous site); TL Comanche

peak, El Paso.  
IN St. John; WCAE, ch. 50 (temporarily off the air); granted CP to reduce ERP from 1910 kw max/603 kw hor to 122.7 kw max; 1004' AAT/1009' AG/1705' ASL (574' higher AAT; 660' higher ASL); coordinates 41°21' 06"/87°24' 34"; TL 0.7 mile south of intersection of Redeemer Road and 141st Street; 21.74 miles, azimuth 166° from previous TL. These coordinates plot just east of Cedar Lake, IN, about 16 miles south of Gary. Previous coordinates plotted on the Indiana/Illinois border near the shore of Lake Michigan. Change community of license to Gary, Indiana

CALL LETTER APPLICATIONS: NEW STATIONS  
CH C.L. STATE/CITY/APPLICANT  
58 KUTX TX Dallas; Metroplex Broadcasting  
58 KDIA TX Dallas; Metroplex Broadcasting (latter of the two)  
27 WQEC IL Quincy; West Central Illinois Educational Telecommunications Corporation  
49 WCFN IL Springfield; Midwest Television  
33 KMSS-TV LA Shreveport; Media South of Shreveport, Inc.

# CALL LETTER APPLICATIONS: STATIONS ON THE AIR

22 WMVZ NC Raleigh; WLFL-TV  
57 WYMT-TV KY Hazard; WKYH-TV

# CALL LETTERS GRANTED: NEW STATIONS

30 WUXA OH Portsmouth; Janesville Broadc'g  
32 TMWV FL Lakeland; WIUD  
65 WKYI OH Defiance; Community Television Associates  
27 WQEC IL Quincy; West Central Illinois Educational Telecommunications Corporation  
15 KOIA-TV IA Ottumwa; Haynes Communications  
24 XPEJ TX Odessa; Odessa Family Televis'n  
36 KOCV-TV TX Odessa; Odessa Junior College District  
17 KJJW TX Texarkana; Powell Broadcasting  
52 WETV MD Cumberland; Contemporary Communications  
64 WSWB-TV PA Scranton; Scranton Family TV  
58 KDIA-TV TX Dallas; Metroplex Broadcasting  
14 KAHT UT Salt Lake City; American Television of Utah

# CALL LETTER GRANTS: CHANGE EXISTING

64 WIII OH Cincinnati; WBTI  
51 WSCV FL Fort Lauderdale; WKID  
3 KIDK ID Idaho Falls; KID-TV  
20 KTBW-TV WA Tacoma; KQFB  
2 KXMA-TV ND Dickinson; KNDX  
62 KZKC-TV MO Kansas City; KEKR-TV  
47 WSYN-TV MI Lansing; WFSI-TV

# CHANGES IN THE TABLE OF ASSIGNMENTS

AL Troy; add 67z  
GA Macon; add 64- (in response to petition by Larry Fuss for ch. 53. A ch. 64 assignment could fit the antenna farm near Macon with no short-spacing.)  
KS Junction City; add 6- (site restriction 26.8 miles southwest to protect WOWT-TV, ch. 6 in Omaha, NE)  
KS Dodge City; delete 6- (incorrectly listed as 6+ in 47CFR, section 73.606)  
KS Ensign; add 6+ (replacing the Dodge City

assignment since it is used by KTVC in Ensign, and changing the offset from - to + to accommodate the new Junction City assignment.)  
PR Arecibo; delete 80z; add 60z (site restriction 1.4 miles west to protect a CP for ch. 46 in Cidra)  
PR Cayey; delete 76z  
PR San Juan; delete \*74z  
PR Utuado; delete \*70z (Channels 70-83 were reallocated to land mobile in the United States in 1970 and assignments on those channels were deleted. But the FCC neglected to delete those assignments from Puerto Rico. Certain other assignments were proposed by the FCC to substitute for the above deletions, but the proposed assignment in Arecibo was the only one of the proposals to receive any interest.)  
MI Bad Axe; add \*35z, \*57-; delete \*15 to protect nearby land mobile. Response to petitions by Delta College and Central Michigan University.  
AZ Flagstaff; add 4+ (site restriction 8.9 miles south of Flagstaff to protect KVOA-TV ch. 4 in Tucson and application for ch. 4 in Cedar City, UT.)

STATIONS ON THE AIR  
NM Las Cruces; KASK-TV, ch. 48, went on the air 11/18/1984. 80 kw ERP; -120' AAT/163' AG/4063' ASL; coordinates 32°18' 41"/106°04' 43"; TL to First National Bank tower in Las Cruces. Address: KASK-TV, Suite 900, First National Bank Tower, Las Cruces, NM, 88001.  
NY Albany-Schenectady; WUSV, ch. 45, went on the air 12/3/1984. 2940 kw max; 1110' AAT/151' AG/1961' ASL; coordinates 42°33' 37"/74°00' 40"; TL 0.2 mile west of Pinnacle Road, 1 mile south of intersection with Beaver Dam Road; Address: Union Street Video, 165 Freeman's Bridge Road, Scotia, NY, 12302.  
TX Laredo; KILDO-TV, ch. 27, went on the air 12/18/1984; 5000 kw max/1462.18 kw hor.; 948' AAT/1049' AG/1549' ASL; coordinates 27°40' 22"/99°39' 23"; TL State Road 1472, 12 miles northwest of Laredo; address: Panorama Broadcasting Company, 1600 Water Street, River Drive Mall, Laredo, TX, 78040.  
FL Miami; WBFS-TV, ch. 33, went on the air on 12/9/1984. Data mentioned last month. Address: Channel 33, Inc., 16550 NW 52nd Avenue, Miami, FL, 33014.  
VA Richmond; WTLN, ch. 63, went on the air on 11/24/1984; 681 kw max ERP; 729' AAT/597' AG/947' ASL; coordinates 37°30' 46"/77°36' 06"; TL at 23 Sesame Street, Midlothian; address: National Capital Christian Broadcasting Inc., 312 E. Grace Street, Richmond, VA, 23219; independent religious station.

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# NETWORK CHANGE

CA El Centro; KBCY, ch. 9, changes from ABC to CBS effective 3/3/1985. Was operating on ABC's Pacific Time Zone schedule, but will switch to Mountain Zone with CBS, as is NBC affiliate KYEL-TV.

## CANADIAN NOTES FROM WALTER PATTON

"The Federal Government has cut the CBC's grant by \$75 million. This will result in a drastic reduction in the Corporation's future capital spending and a capital recovery program by the government will freeze some programs already approved but not yet begun. The first affected will be the Regina/Moose Jaw SA consolidation project. Hearings for the proposed commercial stations on the cleared Ch. 13 have been delayed. (Regina is one of those places where they don't understand what channels 14 and up are all about.)

"CANCON has been authorized to add WXYZ (7) Detroit MI ABC to its satellite service, but it has yet to put the authorized Seattle WA ABC & NBC stations on the bird."

## DELETIONS

B.C. Campbell River; CBUT-9, ch. 82  
B.C. Wokas Lake; CBUT-11, ch. 60

## CHANGES GRANTED

B.C. Fort St. John; CFPV-TV-1, ch. 2, 426 watts: to rebroadcast CHAN, ch. 8 in Vancouver instead of CFRN, ch. 3 in Edmonton. Both are CTV.

ONT. Temagami, CBCQ-TV-1, ch. 15, 14.2 kw: to rebroadcast CBC Anik (AT) instead of CHNB, ch. 4, North Bay.

SASK Yorkton, CICC-TV-2, ch. 10: to increase ERP from 7.8 kw to 10 kw.

## APPLICATIONS FOR CHANGES

ONT. Elliot Lake; CKNC-TV-1, ch. 7: to raise ERP from 12.5 kw to 34 kw.

ONT. Kearns: CFCL-TV-2, ch. 2: to rebroadcast CFCL, ch. 6 in Timmins instead of CKNC, ch. 9 in Sudbury

ONT. Little Current, CBCE, ch. 16, to lower ERP from 59 kw to 23.7 kw.

## SYRACUSE, NEW YORK: WTVH(TV)

As reported a few months back, the Syracuse Peace Council complained to the FCC that WTVH had run a series of commercials promoting the Energy Association of New York's construction of the Nine Mile II Nuclear plant as a "sound investment" without allowing equal time to opposing viewpoints. The Peace Council had claimed that WTVH made no effort to fulfill its obligations to seek out opposing viewpoints. The FCC, in turn, had found WTVH in violation of the fairness doctrine.

But WTVH is petitioning the FCC to reconsider its decision. Its contention is that during the year of the advertisements in question, 1982, it had determined that the issue was not sufficiently controversial to invoke fairness doctrine concerns.

## TELETEXT UPDATE

NABTS (North American Broadcast Teletext System) suffered a setback in its effort to become the standard teletext system for the United States.

NBC, which along with CBS has been using the NABTS for their teletext services and promoting the use of that system among their affiliates, was scheduled to drop out of the teletext business this past January. The problem was the cost of the decoders, which exceeded their worth. So far, Panasonic is the only manufacturer of decoders for the

NABTS standard. The \$300 decoders were compatible with only the Panasonic top-of-the-line sets which cost \$1200. Panasonic plans to introduce a \$1000 model equipped with a decoder sometime this spring, along with a \$500 decoder that would be compatible with all television sets. RCA, the parent company of NBC, has not been able to manufacture a less expensive decoder.

This makes things look better for the other contender for the United States standard: the World System Teletext. (It seems to me that both systems have taken on rather presumptuous names.) Zenith is currently manufacturing decoders for \$300, which are compatible with any television set. WST has the advantages of being much cheaper than the NABTS, but it has very poor graphics capability. It is this graphics capability in the NABTS which is supposed to attract audiences and advertisers.

Meanwhile CBS is still going on with Extravision, its own teletext service which uses NABTS, hoping that the prices will eventually come down.

## FORUM

Ronald Purdue reports that WWQI, ch. 25 in La Crosse, WI, is still not yet on. KXLT, channel 47 in Rochester, MN, plans to go on the air on March 9. The transmitter tower in Haverhill Township, northeast of Rochester, is already built. According to a newspaper article sent by Ronald, the station will operate at a reduced power at first. Difficulties in establishing a microwave link between the Rochester station and KXLT in St. Cloud, whose signals it will rebroadcast, might delay the startup date. Most of the programs, that is, will be rebroadcast. KXLT will have local public affairs programming and farm business reports. Ron says that many of the syndicated programs that will be rebroadcast on KXLT can also be seen on KINT, ch. 3 in Mason City, IA.

Bob Hemple sent a clipping from the Des Moines Register, dated 12/30/1984, about K42AM in Ottumwa, IA, which went on the air on 11/5. The station features movies, country music videos, religious programs, sports, business reports, and local news. Most of the programming is from SPN (Satellite Program Network). Local production includes basketball games from local high schools.

Walter Patton reports, "A newspaper report on Cuba says they are running American movies recorded off-air from U.S. stations complete with the call letters of the U.S. stations from which it was recorded. Movies are run in the original language with Spanish subtitles. This would of course be the source of all those Bulgarian language un-ids which keep appearing in the VUD." (I didn't know they spoke English in Bulgaria. Anyway, if the Cubans are doing this, I can see a UFO enthusiast logging one of their stations and making another stir like they did with the KLEE hoax of the fifties. I'm sure "Bedtime for Bonzo" will be a favorite among the Cubans. -wbf)

Bill Draeb reported that WLRE, ch. 26 in Milwaukee filed for bankruptcy after being faced with several lawsuits. They own some California film companies \$900,000.00 for films which they never paid for. (Maybe they

can air them under the heading "The Million Dollar Movie") Gerald Newman, who owns most of WLRE, is having other financial problems also. The state of Wisconsin is putting him out of business. WLRE is still on 24 hours a day.

By the way, I'm sorry if Bill Draeb or any others were offended when I equated Mondale, Ferraro and Culpepper with the Three Stooges. After all, the Stooges did have some talent. But my humor does get carried away sometimes, as George Mileon will agree after writing Sonby about their Bonsai antennas.

Speaking of George, WNDS finally sent him the UHF antenna they promised him. But he had to buy his own fertilizer for it.

Although my religious views are close to those of John Combs and John Zondio, and possibly Doug Dornbros, and my political views close to Alex Keaton's, I usually avoid using the Television News column to present my own opinions. Nor would I criticize other editors who choose to express their views. Just don't start publishing centerfolds in the VUD.

Naturally, the subjects of religion and politics, as well as racial and social issues, are related to television, and I may make an occasional comment. I also invite others to make comments.

And with that I go to Robert Goodman's reply to my reply to his earlier letter. I will give his reply without further comments, but others may feel free to write in their replies for or against his opinion.

"Roads and railroads have been, and are continuing to be, built without eminent domain and without taxes. Anything that can be done with taxation and/or eminent domain can also be done without same, if the people involved are willing to pay the price. Force gives people no special abilities. I'm against taxation and eminent domain.

"In order for the radio spectrum to become property, you mustn't think of its boundaries as coterminous with land boundaries. Of course, if my signal is actually confined to my land, then I can't be said to be violating anyone else's property. But maybe I can also own, say, 137.1 to 137.3 Mhz out to the .05 mV/m contour of the transmitter I operated on the day of the revolution. Then no third party should be allowed to interfere with communication between myself and others in that space, regardless of land boundaries. The conceptual problem isn't so tough. If I own a car, it's still my car regardless of where I drive it, and neither it nor its contents should be stolen. I ask only that you don't collide with me.

"While interference protection is necessary and sufficient for the establishment of a property order in rf, enforcement of technical standards is antithetical to such order. Whether I choose to modulate my carrier with NTSC color or PAL or just tap out code is just a matter of the content of my transmission, the same as whether I choose to send jazz music, news, racial slurs, taxi calls, slow scan video, test tones, or a secret code. Records and tapes are produced and used on equipment conforming to certain technical standards, but

government didn't have to decree them. Languages--spoken, written, and computer--are technical standards which were arrived at without State help or force. (However, today we have the Academie Francaise, a French government agency, which arrogantly decides what is and isn't officially French.)

"The idea of rf space as property didn't originate with me. I can send you a bibliography if you want more details, but I don't know whether any of it is more persuasive than what I say.

"And yes, the Fairness Doctrine and specific applications of it make my blood boil."

The parenthetical statement in the third paragraph are Roberts, not mine.

And so this column is open for comments on religion, politics, social issues, moral issues, racial issues, government regulation, deregulation, the future of television, or any other subject, as long as it is related to television.

Richard Clark confirms WPRV-TV, ch. 13 in Fajardo, Puerto Rico is on the air. "It was first granted a CP on July 16, 1958!! Did the FCC forget about this station? Was there any other TV station in United States with a longer CP than this one? Yep! And it's still not on the air! It's WTVU, channel 59 in New Haven, CT, and as far as I know they still don't have a projected air date. They got their CP on 6/24/1953! (525 lines per frame? I thought we were supposed to use 415 lines per frame! What's that? Color?! When did they invent that? I don't think our Nipkow disk can spin that fast. I suppose next you're gonna say that someone invented stereo television!)

Richard says that WPRV-TV is the third English language TV in Puerto Rico, along with WSJU-TV, ch. 18 and WRWR-TV, ch. 30.

There are two television networks in Puerto Rico: WAPA-TV and Telemundo. WOLE-TV, ch. 12 in Aguadilla, is now WAPA-TV network, formerly Telemundo. WORA-TV, ch. 5 in Mayaguez, switched from WAPA-TV to Telemundo. Meanwhile WVBO, ch. 44 in Aguadilla, is also WAPA-TV network.

Ed Shepherd says that the Florida News Network is not the first of its kind. A group of television stations in North Carolina have been doing the same thing for several years. The stations include WFFY, ch. 2 in Greensboro, WSOB, ch. 9 in Charlotte, a couple of Raleigh-Durham stations, and may have added stations from Columbia or Charleston, SC.

Ed also sent in a clipping from the 1/10/85 Charlotte Observer about W68BL, a LPTV station scheduled to begin broadcasting in Charlotte on 2/15. The station, transmitting 1 kw from the First Union National Bank building, will transmit a pay-per-view service using Premiere STV service and Zenith decoders, which will be sold, with a radius of 25 to 35 miles (the signal, that is.). The station will broadcast movies from around 8:00 p.m. to midnight, and Saturday matinees at 1:00 p.m. There may be special concerts and sports events, also on a pay-per-view basis.

Jeff Kadet says that channel 27's tower is about half completed and startup should be in



the spring after the cold weather is over. (But which channel 27 is that?) He is still trying to find out about his unidentified ch. 43, and wondered about the LPTV in Hopkinsville. The station is W4JAG, Hopkinsville, KY, and operates with 17.1 kw ERP. Being about 300 miles from Macomb and in the right direction, it certainly could be the station he received.

Jim Pizzi sent in some information on Mexican stations:

#### CH CALLS NETWK LOCATION

- 2s XHRPM? TRM Tuxtla, Chapas
- 2s XHFM XHTM Veracruz, Ver.
- 3s XHPAH local Pachuca, Hidalgo
- 3+ XHP local Puebla, Pue.
- 3+ XEZ XEW Cerro del Zamorano, QRO
- 3s XHY local Merida, Yuc.
- 4s XHGV TRM Jalapa, Ver.
- 5? XHII XEW ? (Yucatan?)
- 5s XHAJ XHGG Las Lajas, Ver.
- 6+ XEHL? local Guadalajara, Jal.
- 6+ IY?? TRM Tabasco or Yuc?

Jim reports also that KDFI, channel 27, calls itself "The Movie Star." DFI stands for Dallas-Fort Worth Independent.

George Mileon caught a note in the Boston Globe that WVTN-TV, ch. 66 in Marlborough, MA, will have a video music format, and should be on soon. The newspaper called the station WVTN in Boston, but then again what do newspapers know?

W.R. McIntosh sent in a clipping from the Los Angeles Times about Gene Scott and channel 30 in San Bernardino, CA. He describes Scott as having a BIG mouth, which is probably true, but I still have to respect somebody who speaks out against government bureaucracy, specifically the FCC.

"Glendale preacher Gene Scott shut down his KHOP-TV Channel 30 on May 23, 1983, after courts had upheld the FCC's refusal to renew his license.... However, when the FCC allowed Channel 30 to resume broadcasting last week (late January -wbf), under new call letters and a new interim operator, the first face seen on the screen was...Scott." "Angeles Broadcasting Network, the interim operator under the call letters KAGL, is using Scott's transmitting facilities in the San Gabriel Mountains above Claremont in exchange for time on the channel. A spokeswoman for Scott said the minister was able to get the time slot he wanted—O p.m. to 1 a.m. nightly." "Despite the resumption of broadcasting, so far with an all-religious format, controversy still surrounds Channel 30. Angeles' closest competitor for the interim license, Orange County-based Maranatha Broadcasting, is one of three parties that filed an appeal in the U.S. Court of Appeals in the District of Columbia. Contested was the FCC decision early last month (January -wbf) to grant Angeles Broadcasting the chance to resume broadcasting while the commission selects a permanent operator, a process that some say could take 2 to 10 years. The FCC narrowed its selection of an interim operator to Angeles and Maranatha, and picked Angeles because it offered 33% minority and female ownership, compared to Maranatha's proposal of 25% ownership. FCC Review Board officials said

at the time that the difference, 'while slight is significant enough under existing precedent to tip the comparative scales in favor of Angeles. Although Channel 30 was dark from May 24, 1983, until the station resumed broadcasting Jan. 20, Scott had continued his radio broadcasts and the buying of time on other television outlets. At the start of this year, the minister, whose evangelism and anti-bureaucracy messages were mixed with frequent fund-raising appeals, was on both cable and broadcasting stations around the country.... Last Week, Faith Center completed the sale of its Jartford, Conn., station WHCT-TV to Astro-line Communications Co., of Saugus, Mass...."

Also from Mc were two clippings, two days apart, about KBSC-TV, channel 52 in Corona, CA. The 2/5/85 article states that Oak Industries, owner of KBSC-TV and of ON-TV, is selling its ON-TV service to Seleco-TV, which is already on KRCB-TV, ch. 22 in Los Angeles. Seleco-TV will then operate both services separately: its own all-movie format on KRCB and the sports-movies mixture that ON-TV had used on KBSC. Two days later (Los Angeles Times, 2/7/85) Oak announced that it was going to sell KRCB-TV to a group of investors. It could take six months or more to complete the sale, at which time Seleco-TV will have to negotiate with the new owners to keep its second service on that station.

Mc also writes, relating to ch. 30, that he watched the station for 3 1/2 hours straight and didn't see any identification. Sounds odd, but I wonder if, since they are only an interim operation, they aren't required to conform to rules for licensed full service stations.

From Dave Nieman, an article by Ron Wold of Knight News Service about private reception of satellite signals. A federal law is now in effect that defines the rights and responsibilities of private owners of satellite dishes. Cable programming services had complained of copyright infringement, and cable operators objected to unfair competition. But manufacturers, dealers, and owners of dishes claimed that viewers had as much right to see a satellite program as they did local broadcast stations. The Congress of the United States, deciding that both sides were right, passed a law which legalized private use of satellite dishes as well as private ownership. Cable programming services have the right to protect copyrighted material from unauthorized use by scrambling their signals. While dish owners have the right to intercept signals for private viewing, they are not allowed to intercept encoded signals. Nor can they intercept other programming if a marketing plan and payment system have been established. One of the contentions from private viewers who were intercepting HBO is that they had no cable facilities with which to receive HBO, and had even offered to pay HBO for the programs they were intercepting. HBO refused to deal with private viewers. Under this new rule, private viewers have the right to watch HBO, as long as it is unscrambled, if HBO refuses to set up a payment system with them. The rule also says

that private reception cannot be used for financial gain. That is, if you are within your legal rights in watching a satellite program, you still can't charge admission from others who want to watch it in your house.

Apparently HBO now has plans on dealing with individuals. HBO began installation of a highly secure coding system and plan to encode all of its transmissions by March. Showtime and The Movie Channel will begin coding their signals by this fall. The Disney Channel and some other cablecasters are also considering coding their signals.

Private viewers still have to confront local zoning ordinances, many of which treat dish antennas as an eyesore and prohibit their installation in some areas.

Randy Miltier reports that KRCB, channel 22 in Cotati, CA, is now on the air. It's a PBS outlet and identifies as "Cotati-Rohnert Park." They came on the air sometime between January 13-20.

Randy also sent an article from the 1/31/85 San Jose Mercury News. It seems that KBHK, channel 44 (UHF station), offered KQED (channel 9, a VHF station) \$50 million dollars if it agreed to switch channels. That would put KBHK-TV in a competitive position with KTVU, channel 2 in Oakland, CA. But KQED wasn't buying. KBHK offered to pay for a costly study on the effects such a channel change would have on the viewership of KQED. KQED said "no." KQED wants to keep its signal quality. It's already operating on maximum allowable power, and even at maximum allowable power on UHF, it just wouldn't have the viewership. That means fewer paying viewers.

The idea of educational VHF's and commercial UHF's swapping channels started last year when a UHF in Tampa, Florida offered WEDU, channel 3 in Tampa, \$25 million to switch, pending FCC approval.

Actually, the idea of channel swapping with educational VHF's goes a lot farther than the article, and it was rather timely that this article appeared. Last December, commissioner James Quello suggested that a rulemaking be proposed that would allow this very thing. The FCC is presently drafting a proposed rule making that would allow the table of channel assignments to be modified to permit channel trades with commercial facilities.

While some commercial broadcasters are interested in the idea, public broadcasters are rather cool. Also, some existing commercial VHF stations would suffer greater competition from such a trade. FCC officials also warn that case law and FCC practice would allow such changes in channel assignments to be open for competing interests and third party applications. (Hence the Tulsa situation that I occasionally mention.)

John Combs got some information on translator links for WTOG-TV. It also illustrates what I said earlier about one translator receiving the signals of another translator through a microwave link. W61AK, Inverness, 100w TPO, 1500w ERP, 10 mile radius, 400' AG, picks up WTOG directly. W29AB, Ocala, 1000w TPO, 15,900w ERP, 20 mile radius, via MR from

W61AK. W61AP, Okeechobee, 100w TPO, 1040w ERP, 9 mile radius, picks up WTOG directly. W21AB, Fort Pierce, 1000w TPO, 10,570w ERP, 18 mile radius, via MR from W61AP. W27AE, Sebring, 1000w TPO, 10,440w ERP, 18 mile radius, 400' AG, receives WTOG directly.

This next article was sent in by both Larry Fuss and Nick Lombardi. It was in the 1/27/85 Atlanta Journal and Constitution, about WNEC-TV, channel 32 in Toccoa, GA, an independent station that went on the air 9/9/1984. It gives a geographical view of Toccoa. The area covered by the WNEC-TV signal is beyond the reach of the Atlanta network stations, which can be received only when DX conditions are good. Most of their television viewing is from South Carolina and North Carolina stations, which give little interest in north-eastern Georgia. Roy Gaines, owner of radio station WNEC-AM, decided to bring an independent television station to his community. He filed an application for the station in 1982, and a competing application appeared from Millard Oakley a few months later. After paying Oakley \$10,000 to drop his competing application, Gaines was granted a construction permit in March, 1983. The station operates 647 kw ERP from a tower three miles north of Toccoa, and transmits over a 40-50 mile radius. The station signs on at 10:00 a.m., offering old movies, syndicated programs, first-run syndicated programs, syndicated sports, and CNN Headline News. Gaines is also interested in local programming, with local high school basketball and football games, and plans to begin a nightly local news staff by late spring.

#### LOS ANGELES, CA SHERIFF AT IT AGAIN

The Los Angeles County Sheriff, who has been throwing a fit ever since ADAM-12 was taken off the air, is swinging another attack at television. Now he wants the FCC to allow him to use channel 16 for public safety purposes, although he admits that it may cause interference to KSCI, channel 18 in San Bernardino. He does blame the potential interference on poor selectivity of cheap television sets. California Broadcasting Corp. was already granted a construction permit for channel 16 in nearby Ventura. The sheriff thinks the FCC should act now before construction begins on the station, so that the station could be reallocated to channel 41 at no extra expense.

A few additional notes from this local area. WRBV, channel 65 in Vineland, NJ, which had lost its contract with WHT and is no longer broadcasting pay-TV in the evenings, was for a while signing off in the afternoon. It is now broadcasting video music in the evenings until around 11:00 p.m. WDPB, ch. 64 in Seaford, DE, is still partly rebroadcasting WHYI and partly doing its own thing with very old films. WHMM, ch. 32 in Washington DC was off for a few weeks, but is back on the air now.



# KCC FM NEWS

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Kearney NE 68847-2610, U. S. A. [Columbia]

## NEW FM STATIONS GRANTED

AL Ashland-Lineville WASZ 95.3 1000 h.v.; 540', did not delete; in fact, is on air and DX ready with K, "95 Country," but not sure if stereo or not  
AL Auburn W224AK 92.7 (translator of WEIZ 100.1 Phenix City AL) [Tuscaloosa]  
AL Bessemer W249AN 97.7 (WACT-FM 105.5 / AL Fairfax W209AB "89.7 (WFRC 90.5 Columbus GA translator) [Haleyville]  
AL Florence W276AM 103.1 (WJBB-FM 92.7 / AL Gadsden W268AM 101.7 (WTXX 95.9 Guntersville) [Broadcasting Foundation]  
AL Langdale "91.5 g 380 h.v.; 84', Ed. / AL Montgomery W285AJ 104.9 (WZZK 104.7 Birmingham) W296AI 107.1 (WKXX 106.9 [Columbus MS, mono s)  
AL Tuscaloosa W261AD 100.1 (WACR-FM 103.9 / AK Anchorage KATB "89.3 100 h.v.; 645', G  
AK Central-Circle (65-42-30; 145-05-44)  
AK Fairbanks "91.7 (KUAC 104.7 Fairbanks xtr)  
AK Fairbanks "91.5 375 h.v.; 48', g, Found.  
AK Klawock K211AX "90.1 (KRBD 105.9 Ketchikan) W296AI 107.1 (WKXX 106.9  
AK Wasilla K60D (K-God?) "90.3 60000 h.v.; 250', g, Missions North  
AZ Kingman 105.9 36000 h.v.; 3070'  
AZ Phoenix-Glendale K257CD 99.3 (KSTM 107.1 Apache Junction AZ translator)  
AZ Williams K24N-FM 96.7 3000 h.v.; 93'  
CA Arcata-Bayside K265BT 100.9 (KKA-FM 101.5 Eureka) [Educational Found.]  
CA Goshen KYIA "90.1 385 h.v.; 120', g, / CA Salinas "89.7 150 h.v.; 1910', Prunedale Educational; gospel music assumed  
CA San Luis Obispo "88.3 685 h.v.; 1355', g; Pacific States Ed. Foundation  
CO Berthoud Pass K244BL 92.7 (assumed to be a translator of KSMT 102.3 Breckridge)  
CO Cedaredge-Delta "K265BQ 100.9 (KUOL 90.3 Grand Junction) [Gunnison]  
CO Crested Butte K228BX 93.5 (KVLE 102.3 / CO Widefield 106.3 600 h.v.; 630'  
FL Fort Myers Villas 106.3 3000 h.v.; 300', initial decision, subject to reversal  
FL Fort Walton Beach WPSM "91.1 385 h.v.; 801', FWB Educational Foundation, [gospel]  
FL Gainesville "90.5 50000 h.v.; 500', g, Bible Broadcasting Network [Ed. Foundatn]  
FL Key West WMLU "90.9 340 h.v.; 130', g, / FL Naples Park 105.5 630 h.v.; 680', initial decision, subject to reversal  
GA Augusta W261AP 100.1 (WUJB 96.7 Wrens)  
GA Nashville 95.3 3000 h.v.; 300'  
IL Rushville 96.7 3000 h.v.; 300'  
IA Fairfield W272AL "102.3 (yes, a W call, even though west of the MS River; xtr of WOLM-FM 89.3 East Moline IL) [La. City]  
IA Fort Madison K252BU 98.3 (KKRQ 100.7 / IA Mason City 93.5 3000 h.v.; 285' [decisn]  
KS Great Bend 107.9 99000 h.v.; 910' initial  
KS Hutchinson K232BD 94.3 (KKXX 95.7 Ota.)  
KS Independence K249CC 97.7 (" " Ottawa)

KY Burnside 93.9 3000 h.v.; 330', a Class A on a Class B/C channel; watch for more of these in the future! [Ed. Foundation]  
LA Erwinville KPAA "91.5 380 h.v.; 120', g, / MI Gulliver 94.7 100000 h.v.; 500', initial decision, subject to reversal; other application was for Manistiquie MI  
MN Duluth 95.7 100000 h.v.; 800', \$, to be 24 hours, expected on summer '85 [Duluth]  
MN Moose Lake K203AN "88.5 (KDMN 90.5 / MS Belzoni 107.1 3000 h.v.; 300' [ton]  
MS Biloxi W21AM 92.1 (WLUN 95.3 Lumberville) Gulfport W237AM 95.3 (WLUN—not an on-channel booster, but picks up signal from Biloxi, most likely)  
MS Hattiesburg W249AO 97.7 (WLUN) [man]  
MS Meridian W221AL 92.1 (WYKK 98.3 Quitman) Springfield "89.1 50000 h.v.; 270', g, Baptist Bible College  
MT East Helena 104.1 76000 h.v.; 2165'  
MT Glasgow K232BT 94.3 — see deletions; assumed causting deletion of K296BW 107-1 Glasgow, also a KYZZ 92.7 Wolf Point translator, although the two translators (as well as a third translator in Glasgow on 98.3) are owned by different parties. Something's fishy! [Tonopah]  
NV Hawthorne K288CU 105.5 (KPAH 92.7 in / NJ Jersey City WHBI 10000 h.v.; 390', initial decision, subject to reversal; to keep WHBI calls. Italian SCA intact.  
NM Albuquerque (Mountain View) K265CA 100.9 (KLSK 104.1 Santa Fe translator)  
NM Albuquerque 103.3 22400 h.v.; 4070'  
NM Ruidoso K292CX 106.3 (KBIN-FM 94.9 Roswell)  
NM Socorro K292CX 106.3 (KBIN-FM 94.9 Roswell)  
NY Batavia "90.7 535 h.v.; 130', Genesee College [oul music; Uhuru Communications]  
NY Binghamton WUCI "91.5 630 h.v.; 790', g / NY Saranac Lake 101.7 2600 h.v.; 320'  
NC Manteo 99.3 3000 h.v.; 190'  
NO Grafton K292CU 106.3 (KQWB-FM 98.7 Moorhead MN)  
ND Grand Forks K276CL 103.1 (KQWB-FM)  
ND Jamestown K257CH 99.3 (KQWB-FM)  
ND Riverdale K221BX 92.1 (KBTO 105.9 Bottineau) [Columbia]  
OH Athens W240AI 95.9 (WSNY 94.7 / OK Ardmore K252CA 98.3 (KLBC 107.1 Dur.)  
OK Mangum 92.1 3000 h.v.; 300' (FCC gave ht. as 1580', which is too great for a Class A with 3000) [Silva Ed. Foundation]  
OR Coos Bay "89.3 690 h.v.; 440', g, P. / OR Grants Pass K296CG 107.1 (KCMX-FM 101.9 Ashland)  
PA Allentown (Lehigh) W204AC "88.7 (WKON 106.9 Camden NJ; WKON now qualifies for an "listing)  
PA Beaver Falls WITX "90.9 100 h.v.; 120'  
BF Educational Broadcasting Foundation.  
PA St. Marys WYUN 97.5 18000 h.v.; 750'

SC Darlington W219AE "91.7 (WVHK 89.7 / SC Hanahan 96.1 100000 h.v.; 1140'  
SD Belle Fourche K232BV 94.3 (KOLL 96.9 Gillette WY)  
SD Deadwood K272CA 102.3 (KOLL)  
SD Hot Springs K276CK 103.1 (KOLL) [City]  
SD Mission K252BZ 98.3 (KGGG 100.3 Rapid / SD Rapid City KTBS "88.5 655 h.v.; 360', g, 6t. Plains Ed. Trust. K292CV 106.3 (KOLL translator in Rapid City)  
SD Spearfish K292CW 106.3 (KOLL)  
SD Sturgis K257CG 99.3 (KOLL)  
SD White River K221BV 92.1 (KGGG)  
TN Chattanooga W249AP 97.7 (WALV 95.3 Cleveland TN) [Nashville]  
TN Clarksville W244AL 96.7 (WZEE 92.9 / TN Jackson W232AE 94.3 (WQKZ 96.7 Bolivar)  
TX Denton 99.1 100000 h.v.; 1170'  
TX Hamilton 92.1 3000 h.v.; 300' [esa]  
TX Lubbock K249CD 97.7 (KTDF 104.7 Lam- / TX Midland K240BG 95.9 (KSEL-FM 93.7 Lubbock) [92.1 (KLKY-FM 94.1 Salt L. Cy)  
UT Levan (and Rural Juab County) K221BY / VA Charlottesville W209AA "89.7 (WVTF 89.1 Roanoke) [g, Timber Ridge Ministry]  
VA Winchester "91.3 500 h.v.; 445 v; 1350' / WA Olympia 96.1 100000 h.v.; 1720' initial decision, subject to reversal  
WY Gillette "91.9 510 h.v.; 415', g, Heritage Educational Foundation, KWHG.  
BC Rock Creek 103.7 130; CKGF AM Grand Forks is its owner  
BC Tumbler Ridge (85 km SW Dawson Creek) 101.1 8 m \$, rm (CFM1101.1 New Westminster BC—off Cancom satellite)  
NS Halifax CKDU 97.5 r, U. Students, 33w  
NW Broughton Island 107.1 CB— (French)  
10 watts (see map elsewhere) [satellite  
NW Frobitsher Bay CFM1— 97.9 10 m, off / CITE— 100.1 10 m, off satellite  
NW Mould Bay 99.1 CFM1— (mono), 10 v  
NW Nanisivik 107.1 CB— CBC N. service, 10  
NW Port Radium CBIP 105.1 82 h.v.; -16', still on air, not deleting; relays  
CFYK AM Yellowknife  
YT Whitehorse 93.5 1 m, talk format (proceedings of the Yukon Legislative Assembly)

**DELETIONS** (all assumed; translators displaced by new FM station grants; see previous columns)  
FL Gainesville W213AB "90.5  
IA Mason City K228AE "93.5  
MT Glasgow K296BW 107.1 (this one apparently displaced by another translator having the same primary station, but on a different frequency)

**Stereo (\$)**  
AK Wasilla KMBZ 99.7 to 51000 h.v.; -160'  
CA Livingston KNTD 95.9, now Radio Mexicano (not Radio Canto)  
CA Stockton KCUH "90.1

-FCC-FM  
GA Canton WCHK-FM 105.5 "Stereo soon, as per station announcement"  
NM Las Vegas KLVF, "Stereo-101" [Lobo]  
MEXICO Puebla, Pue. XHRS 90.1 r, "Radio/  
**MON-IDs**  
IA Des Moines KMGK 93.3 K-93, k  
IA Fort Dodge KFTX 92.1 back on air, still k (via satellite), now KX (Kix)-92  
NE Hastings KCNT "88.1 no nonID, if you'll pardon the double negative  
KS Lawrence KLZR 105.9 Laser  
ND Bismarck KQDY 94.5 KQ-94 (not QD-94)  
VT South Burlington WXXX 95.3 Triple X  
ON Timmins CFTI 92.1 92-FM (not FM-92)  
SA Swift Current CJGL 94.1 FM 94 (not GL-)  
NW Alert CHAR 105.9 Char-FM (as in the fish, Arctic Char. Alert is too far N. for any news or other network; out of range of usual satellites. "Once relayed by microwave 10 p. m. news audio of CBC north-TV ch. 9 Eureka NWT, but that TV station now off air due to switch to all-communications, no-broadcast satellite." See map elsewhere.  
MEXICO Guanajuato, Gva. XHAM-FM? 91.1, "Voice of Guanajuato," \$, new station? No answer yet from Mexican government to my letter asking for FM station info.

**SCA, mostly at 67 kHz** [for the blind.  
MA Springfield WTCO "90.7 talking book / NE Lexington KRVN-FM 93.1 +X noisy data, farm and markets; paging on 92 kHz  
SC Seneca WBFM 98.1 +X (telemetry; from CBS net. relay; "was this the only -C?")  
TN Jackson WKIR 104.1 +ABC networks  
TX El Paso KYSR 97.5 +Transit Radio (coded +M until such time as a transit radio category is created); has easy-listening music, news, commercials; run by Tom Bengimina, Kansas City, who I know. The first FM I ever listened to was on transit radio in Duluth, when WEEB-FM 92.3 had bus radio 1948-49; this probably had an influence in giving me the mild interest I have in FM radio to this day.  
WA Spokane KPXB "91.1 +Talking Book, apparently replacing +X telemetry SCA.

**Facilities' Changes Granted**  
AL Dothan WDOF-FM 99.7 985' (100000 h.v.), E network (from Mutual)  
AZ Tucson KWFM 92.9 87000 h.v.; 2040', rock  
AK Bethel KJBA 100.1 64' (3000 h.v.)  
AZ Sun City KMKZ 106.3 300' (3000 h.v.)  
CA Anaheim KEZY-FM 95.9 2400 h.v.; 330'  
CA Arcata KXGO 93.1 93000 h.v. (1050')  
CA Monterey KWAV 96.9 2450' (18000 h.v.)  
CA Newport Beach KOCN 103.1 2600 h.v.; 320'  
CA San Francisco KKHI-FM 95.7 69000h (1290')  
CA Villa Grande K215AK "90.9, now has KPFA 94.1 Berkeley, not KUED-FM San Francisco  
CC Boulder KBCO 97.3 1540' (100000h, direc)  
CC Parachute K228BW 93.5 (from K261AV100.1)  
GA Augusta WFMG 105.7 100000 h.v.; 1320'

GA Cartersville WCCV "91.7 910 h.v.; 540'  
ID Payette KQPD 100.3 100000 h.v. (475')  
ID Pocatello KZBQ-FM 93.7 975' (100000h)  
IL Carui WRUL 97.3 490' (50000 h.v.)  
IL Marlon WDDD-FM 107.3 490' (50000 h.v.)  
IL Murphysboro WTAO 104.9 330' (3000 h.v.)  
IN Crawfordville WLFQ 103.9 1350 h.v.; 495' [89.9]  
IN Richmond W208AA "89.5 (from K210AL / IA Creston KITR 101.7 1850 h.v. (400')  
IA Decorah K257CI 99.3 (K265BK 100.9)  
IA Pella KXJX 103.3 790' (100000 h.v.)  
KY Ashland WAMX 93.7 50000 h.v.; 590' [600]  
KY Paintsville WSPF-FM 98.9 94000 h.v.; / MD Frederick W228AM 93.5 (from W276AB 103.1)  
MA Boston WMJX 106.7 15500 h.v. (900')  
MI Cadillac WKJF-FM 92.9 1020' (100000h)  
MI Clare WCFX 95.3 330' (3000 horizontal)  
MI Detroit WHYT 96.3 20000 h.v.; 785' [WCLS 99.5 18000 h.v.; 750', DA  
MN Aitkin KEZZ 94.3 330' (3000 h.v.)  
MN Duluth WNCB "89.1 495 h.v.; 240'  
W249AM 97.7 (from K244AX 96.7)  
MN North Mankato KQOG 96.7 460 h.v.; 745'  
NV Virginia-Hibbing WIRR "90.9 21000 h.v.; 460'  
MN Winona KAGE-FM 95.3 1300 h.v. (490')  
MT Great Falls KQOZ 106.1 100000 h.v.; 275'  
MO Marshfield KTOZ 104.9 2400 h.v.; 360'  
MO St. Louis KEKZ 92.5 1010' (100000 h.v.)  
NE Central City KZLN 100.3 1845' (100, -000 h.v.); to KBGT (ch. 8) tower near Genoa NE. [2190', reduces coverages.  
NV Carson City KWNZ 97.3 29000 h.v.; / NH Peterborough WNDK 92.1 250 h.v. (120')  
NH Las Cruces KASK 103.1 30000h (-110')  
NY Brooklyn WKRK "90.9 (from 103.1; gives up all claims to 103.1)  
NY Hornell WKQP 105.3 removes vertical polarization; now all h[orizontal]  
NY Southold WBAZ 101.7 2500 h.v.; 335'  
NY Watersfield WUWU 107.7 11500 h.v. (800'), slightly changing its coverages to 30 miles primary; 67 secondary  
NY Walton WOLA-FM 92.1 (not 94.9) 690 h.v. (660')  
NC Elon College WSOE "89.3 120' (500 h.v.)  
NC High Point WGLD 100.3 1045' (100000h)  
OH Beavercreek WYJM-FM 103.9 11500h; 520'  
OH Columbus WBNS-FM 97.1 20500 h.v. (780')  
OH Hamilton WBLZ 103.5 19000 h.v. (790')  
OH Johnstown WZZT 103.1 330' (3000 h.v.)  
OH Lima WINT 102.1 11000 h.v.; 1050'  
OH Marietta WEYQ 94.3 3000 h.v.; 270'  
OK Bartlesville KYFM 100.1 950 h.v.; 495'  
OK Nowata KNFB 94.3 1700 h.v.; 400'  
OK Seminole KSLE 105.5 2000 h.v.; 360'  
OK Stillwater K276CM 103.1 (from K272BP 102.3) [K278AA 103.5]  
OR Klamath Falls K280BW 103.9 (from / OR Portland KINK 101.9 1675' (97000 h.v.)  
PA Harrisburg WFSM 99.3 3000 h.v.; 330'  
PA Martinsburg WJSM-FM 92.7 580 h.v.; 605'  
PA Starview WHTF 92.7 625 h.v. (700')  
SC Summerville WNNZ 93.5 1500 h.v. (460').

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TX Dallas WRR 101.1 (100000 h.v.)  
TX Freeport 103.3 540' (100000 h.v.)  
TX Llano KFQX-FM 104.9 325' (3000 h.v.)  
TX Lubbock KFMX-FM 94.5 565' (100000 h.v.)  
TX Mesquite KOEM "88.3 250' (3000 h.v.)  
TX Port Arthur KYKR 93.3 1090' (100000h)  
TX Terrell Hills KESI 106.7 (from 106.3): 100000 h.v.; 1020', nonID assumed  
dropped; dual city ID assumed retained  
UT Logan KBLQ-FM 92.9 100000 h.v.; 155'  
VT Vergennes WIZN 106.3 1050 h.v. (550')  
VA Lynchburg WKZZ 100.1 420 h.v.; 650'  
VA Waynesboro W221AK 92.1 (from W257AD 99.3)  
WA Bremerton KHIT 106.9 1495' (100000h)  
WA Spokane KXLY-FM 99.9 37000h; 3000'  
WA Tacoma KNBQ 97.3 1480' (100000 h.v.)  
WA Tappanish KZHR 92.7 410 h.v.; 870'  
WY Greybull KZMQ 100.3 25000 h.v.; -32', a drastic reduction to bare Class C status; maybe now they'll come on air!  
PR Ponce WQCI 93.3 15500 h.v.; 2470'  
NS Shelburne KCBW-2 93.1 8600 (was to have changed to a Class A, but believed to be staying on 93.1)  
ON Toronto CFNY 102.1 (never mentions Brampton; no nonID, certainly not "NY-FM." [nounced height; assumed h.v.  
PQ Laval CFGL 105.7 41000, new, unan- / PQ Trois Rivières CBF-8 88.1 (from 100.1)  
CBF-FM1 104.3 47000 h.v.; 130'. Was to have changed frequency, but no better frequency found, so will stay on 104.3, where it has existed since its days in Drummondville PQ.  
ON Midland-Penetanguishene (from Penetanguishene) CBCM 107.5 (assumed also for CJBC-3 96.5)  
ON Wiarton CBCB 98.7 (from Owen Sound; includes Owen Sound in its ID)  
PQ Kangirsuk 90.1 (town changed from Payne Bay) [ly from Fort Chimo)  
PQ Kuujuaq 90.1 (town changed official- / PQ Kuujuaqriipik CUJ 89.9 (spelling changed from Kuujuaqriip)  
PC Quaqtaq 90.1 (town spelling changed from Koartak) ["Resolute"]  
NW Resolute Bay CBIL 105.1 (from /

**Multi-City Identifications**  
NY Niagara Falls WRTX 98.5 adds Buffalo  
ON Peterborough-Coburg CBCP 93.5, delete the use of Cobourg  
ON St. Catharines CHRE 105.7 adds Niagara (falls); I do not list regions, so will list as the city of Niagara Falls with brackets around "falls"  
PQ Iles-de-la-Madeleine CBVM 95.3 location given in English as "Magdalen Islands." I do not recognize this, as 1 place cannot have two names. Does this mean CBSE 96.9 gives its location as "Seven Islands" PQ?  
PQ Quebec CBVE 104.7 ID in English as Quebec [City]; add to FM Atlas, p. 138, 100000 h.v.; 411'.

PQ Rouyn-Noranda CHLM 96.5 IDs vaguely as "Abitibi"  
PQ Sept-Îles CBSE 96.9 adds Port Cartier

### Formats/Networks

AZ Parker KWHF \*90.1 G (Moody) network  
AR Hampton KXOL 107.1 G network  
AR Yellville KCTT-FM 97.7 k[country]  
CA Eureka KEKA-FM 101.5 k, "Redwood-101" (strict). Has ABC, but not known which.  
CA Oildale KLLY 95.3 m, "Kelly," not known if stereo or not [Kiss FM]  
CT Hartford (Meriden) WKSS 95.7 r, "95.7/DC Washington WASH 97.1 has slight change in r format; no longer "Wash FM"  
GA Augusta WLPE \*91.7 G network  
GA Gordon WQXN-FM 107.1 no D network (has CNN audio news); 1070 h, v (540\*)  
GA Rome WQUT 102.3 R (from Y)  
ID Boise KCIX 105.9 rock and country (rk)  
IL Chicago WNET 95.5 m (mwt); on top of hour they say: "WNET Chicago—the noise is gone."  
KS Arkansas City KBUZ 106.5 soul (s)  
KY St. Matthews WKKA 103.1 r, "Hit Radio, 103... RKA."  
ME Willimocket WSYY-FM 97.7 m, "Sunny 98"  
ME Saco WHYR (formerly WP16) 95.9 still k  
MA Boston WHHT 103.3 no D, even though owned by CBS  
MA Nantucket WQXJ 96.3 r, "Foxy 96"  
MS Gulfport WJFX 96.7 soul and rock, /NM Santa Fe KLSK 104.1 m (jazz at night)  
NY Binghamton WAAL 99.1 r (now top 40)  
NY Carthage WTOJ 103.1 r[rock] [mono]  
NY Johnstown WSRD 104.9 r, assumed still /NY Olden WEFB 95.3 r (not b[eautiful])  
NC Lexington WBUY 94.1 k (from g; applies for 100000 h, v; 485\*)  
OR Cave Junction KBGG 102.7 to be m[-o-r]  
PA Chambersburg WKIZ 95.1 S (AP network)  
PA Harrisburg WNNK 104.1 rock [network]  
PA South Williamsport WFXA-FM 99.3 no /PA Williamsport WWSB 102.7 T (The Source)  
SC Spartanburg WSPA-FM 98.9 S network  
TX Biddings KGLD 101.7 k; is it stereo?  
UT Smithfield KVEZ 103.9 rock, "Z-104"  
VA Exmore WKRE-FM 107.5 k, "K-Country 108," still NBC and believed to be mono  
VA Salem WJLM 93.5 k (not G), Mutual and ABC-E for news, adding +6 SCA at 67 kHz (Moody network); is stereo  
PQ Gagnon CFJO 104.1 m (rebroadcasting CITE 107.3 Montreal when not doing local programs)

### Call Letters Assigned or Changed

AK Anchorage 100.5 KXGR (KCMG)  
AZ Phoenix \*91.5 KJZZ (KNCR); jazz format; affects several translators (h, v (535\*))  
AR Eureka Springs 100.9 KTCN (KNPY); 1100/  
AR Mountain Home 105.5 KPXM (KGH)  
CA Burrey \*90.5 KTIQ [CA Victoryville]  
CA Lakeport 98.3 KXBX 103.1 KYVQ-FM (KYVQ)  
CA Mount Shasta 99.3 KZ5TCA (from KZ5TBL); adds Woot to principal community  
CA Oakdale 95.1 KDJK (KOKR), rock  
CA Rosamond 105.5 KAVC (KCRP)  
CA South Lake Tahoe \*88.1 KZ0/AJ

CA Tahoe City 96.5 KRZQ-FM (which is not in Wray CO, despite what Vane Jones' list says) [AM is in Grand Jet. CO]  
CO Montrose 96.1 KSTR-FM (KVOE); KSTR is FL Coral Gables 105.1 WHQT (WEZI), rock  
FL Key West 98.7 WQZN  
FL Tallahassee 103.1 WTHZ (WOWD)  
GA Augusta 103.1 WFXA-FM (WZZW)  
HI Maui 88.7 KMPR  
KY Paris 96.7 WCOZ (WNCN)  
KY Prestonsburg 105.5 WBVS (WPRT-FM)  
LA Baton Rouge 98.1 WGGZ (WAFB-FM)  
LA Franklin 105.5 KFMV (KFRA-FM)  
LA Lake Charles KHLA (KHEZ), now rk  
LA Thibodaux \*91.3 KNSU (KYFG) [assay 95"  
MD Morningside 95.5 WCLY (WPBC-FM), "C"  
MA Boston 100.7 WKMT (WCOZ), r, sometimes "The Cat," but not a nonIDer, as calls always used. Said to be still surveying its audience about program preferences, so there could be changes.  
MA Orleans 104.7 WKPE-FM (WKPE); nonID assumed discontinued or changed [500"  
MI Cadillac 96.7 WYTM (WEVZ); 1250 h, v; /MI Pittsford \*91.1 WPCJ (WURC)  
MI Port Huron \*88.3 WZJ1  
MI Sault Ste. Marie 99.5 WYSS (WLXX), still r, some oldies [assumed dropped  
MI St. Johns 92.1 WKHL-FM (WKHL); nonID/  
MS Kosciusko \*91.7 W1WF  
MO Joplin \*88.3 KZ0ZAN (not KZ0ZAG)  
MO Poplar Bluff 96.7 KXQO  
MT Libby 101.7 KTNV ("K-Tiny", x-KVAD)  
NV Gardnerville-Winden 99.3 KGVN (KTRD)  
NH Claremont 106.1 WHQD (WECN), still r  
NC Claremont \*88.1 WPAR (WUDD)  
NC Forest City 93.3 WBBO-FM (WBBO-FM)  
NC Robbinsville 95.9 WCVF-FM (WMO1)  
NC Statesville 96.9 WLKV (WLWV); to 1550' (100000 h, 80000v), k format, "K-97," a Charlotte rim-shooter  
ND Bismarck 96.5 KBYZ (KYXK)  
ND Grand Forks 94.7 KNOX-FM (KYTN)  
OK Durant 97.7 KDEF (not KYEP)  
OR Grants Pass 107.1 KZ96DA (not KZ96CR)  
OR Warm Springs 96.5 \*KWSO (KWS1)  
PA Coudersport 96.7 WYEF  
PA Mechanicsville 93.5 WTPA-FM (WKCO)  
PA New Kensington 100.7 WNCU (WNUF), r, "Classy"  
SC Bamberg 92.1 WWLT (WWBD-FM)  
SC Florence 106.3 WJMX-FM (WSTN)  
SC Mount Pleasant 104.9 WDXZ  
TN Germantown 94.3 WEZI (WLVS), still b  
TX Amarillo 96.9 KLSF  
TX Bastrop 107.1 KELG-FM  
TX Burkburnett 104.7 KXWT  
TX Corsicana 107.9 KAND-FM (KXCL)  
TX Dallas \*89.3 KCB1-FM (KCB1); now has a shortwave outlet known as KCB1)  
TX Frear 95.9 KOBR (KAUA)  
TX Houston 100.3 KILT-FM (KXAS-FM); is still k, "Texas 100"  
TX Lamesa 100.3 KLTG  
TX Seabrook 92.1 KYND (KZRQ) [106.7"  
TX Van Ness 106.7 WGMW (WEZR), r, "B-/  
VA Pound 102.3 WDXZ (WHLH)  
WA Seattle 107.7 KMG1 (KRAB)  
WV Parkersburg 103.1 WXXK (WQAW)

March, 1985

WV South Charleston 100.9 WSCW-FM (WUQU)  
WV Wheeling 107.5 WZHM (WANJ) [96.7"  
WI Ashland 95.9 WJHJ (WATW-FM); to go to 100.9 W265AG (from K265AM)  
AT Calgary 90.9 CJSW  
AT Fort Mc Murray 97.9 CKYX  
BC Barriere 105.9 CFHM-9  
BC Victoria CFUV, to be on 105.1, 41 w, U. Students, quasi-commercial ["Q-101"  
ON Smiths Falls 101.1 CHEQ (CKUE); still/  
MEXICO Tijuana BCN 95.7 XHKY (XHGS)  
104.5 XLTN (XHRS), first known Mexican station starting with "XL"  
Tijuana BCN 90.3 XHIZ (XHZ), "Hitz FM," r, still English  
Call Questionable NY Sidney 100.9 WSID-FM (instead of WSID7). "WSID (AM) exists on 1400 kHz, and I have heard that one," but Vane Jones lists as WOOD (AM); could FM calls have been mentioned on AM?  
Note Dual-City IDs [Columbus  
GA Warm Springs WJSP-FM \*88.1 adds /NY Hornell WKPQ 105.3 "no dual city ID, but varies city each hour." I will keep it as Hornell-Groveland, but add the word "etc." until I find out exactly which cities are used. Even if it mentions 20 cities, I hope to list them all [MD.  
PA Chambersburg WKIZ 95.1 adds Hagerstown/  
PA Lancaster WLAN-FM 96.9 no multi-city ID any more  
PA Shamokin WSP1 95.3 adds "Coal Township," but I only list cities, not townships, counties or regions.  
FMlistakes, 9th ed. FM Atlas  
CO Alamosa add to map p. 63 \*88.7 KRZA  
\*90.9 KASF  
IL Romeoville, p. 112, WLRA \*88.1 is 250v, not 10 watts  
IN Earl Park p. 43, 98.3 W1BN (not 98.a)  
MS Jackson p. 113 WJSU \*88.5 missing, is: \$, 200, 3000 h, v  
NM Maljamar p. 129, town misspelled (WBLV)  
OH Springfield p. 38 map 102.9 WAZU (not /PA Harrisburg p. 101 WNSP \*94.9. "omitted TX Brookeland p. 61 town misspelled  
Family Radio is trying to get into many more U. S. markets via FM. They are talking to WDR \*90.9 Detroit about using the 8:30 p. m. to 7:30 a. m. hours when WDR is normally off the air about sharing time. Write to mention other stations not on the air fulltime—stations in or near a major market. I will pass the word on to Family Radio!  
Six applicants for FM 99.3 Kennebunkport ME threaten Dick Perrin's local 99.1 reception of WPLM Plymouth MA, the "only station carrying Bruins hockey games."  
KZRQ 92.1 Seabrook TX ("known affectionately to its seven listeners as the Zero-Cube") has been off and on the air, possibly to install automatic equipment; calls changing to KYND ("the old 92.5 easy listening calls in Pasadena") TX—so watch for a possible format change.

March, 1985

The FCC imposed a freeze on new noncommercial educational FM station applications and major facilities changes among existing stations. This freeze also included channel 6 TV station applications and facilities changes. After doing that, the FCC announced a partial thaw. It will accept EFM applications, 88.1 through 91.9, but only if the FM station has reached an agreement with potentially affected TV channel 6 stations. The agreements must be signed by all parties, and must be filed with an FM station application. What this means I am not sure. Even how to define a "potentially affected TV station" could be open to question. The matter has been before the FCC for 12 years—the problem of interference between TV 6 and educational FM. I wouldn't be surprised if the freeze effectively takes another 12 years, although the FCC announced when it imposed it that it would only last three or four months. Most affected are educational FM station applicants, since channel 6 TV is a largely developed service, with few, if any, applications on file for new stations or facilities improvements. Perhaps Bill Fahber can research from a TV standpoint this. Because of the freeze, I will not go ahead with an analysis of the new FCC rules and how certain stations could be squeezed in and others increase power. I'll wait and see what rules changes come about as the result of this freeze.

Opposing the new rules were organizations on the public radio side: National Federation of Community Broadcasters, the Corporation for Public Broadcasting and National Public Radio. Also opposing were TV-6 interests: Association of Maximum Service Telecasters, the National Association of Broadcasters, Taft Broadcasting, Capital Cities Communications, Chronicle Broadcasting and Storer Communications. Obviously, nobody is happy with the proposed new rules.

SCA symbols earlier proposed in this column look OK to John Ebeling, who somehow doesn't believe that Blaupunkt's ARI system will be much of a success in North America—"too many cassette units are in use and if overridden, the average person will tend to be annoyed. I would like to see, however a symbol for an open SCA carrier. Why exclude telemetry because it is used once ever 3 hours or so when a 92 kHz page system can (and will) be inactive for hours at a time?" KJJO 104.1 St. Louis Park MN has dropped its music SCA after some 15+ years; the SCA is inactive with an open carrier. John was not happy when I told him WEVE-FM got 97.9 allocated at Eveleth MN: "I need another 100 k on the Range like I need another hole in the head!"

WEVL \*89.9 Memphis is off the air, but they are raising funds to go back on; possibly they're already back on the air. "I hope your composer gets fixed soon; I had forgotten how poor the old manual Hermes looks," says Nick Lombardi. I just spent \$50 getting the Hermes cleaned, new platen, etc.

A format change is about to happen at WGAN-FM 102.9 Portland ME, and they've been carrying ads to switch to WHOM 94.9; could be a trade-off, since WGAN-FM took WHOM's profitable SCA Muzak business away.

"Rim-shooter makes good," writes P. L. Boersma, with an article showing how WNUIS-FM is attracting 5% of the Grand Rapids radio audience; WNUIS-FM based in Muskegon, which I show as having a rock format, but the article calls it a country station. Phil: "All other GR rim-shooters got less than 1% (WYXX, WQWQ, WZND, WPLB; WKLQ 94.5 Holland got a 4.0, but they are not considered a 'rim-shooter', because their signal in GR is equal to other GR stations." Bob Gilbert, Auburn ME, supplies many of the logos I use from his part of the world, including:

**WHOM**  
FM STEREO  
95

**WJBO** FM  
98  
MUSICRADIO

John Combs sent an article on the imminent sale of WMMK 105.5 St. Augustine FL, which will not change formats. The WMMK signal is receivable in the southern part of the Jacksonville metro area, with a tower height addition expected to improve its reception. WMMK was rated No. 20 out of 23 stations in the Jacksonville area by Arbitron.

A Little Rock reporter said KUAR \*89.1 and KLRE \*90.5 may merge, resulting in KLRE's deletion. KUAR not yet on air; but will be when and if it goes along with the University of Little Rock in a merger; funding has kept off the air it. KLRE restricted to 40000 h, v; but KUAR has 100000 m granted.

DXing with a 13-year-old Sherwood S-8900 receiver and a newer NAD 4150 tuner is Gene Cooper. He especially likes the NAD for helping to bring KKGQ Los Angeles in from among all the "mindless rock on local stations." He's been in touch with Al Germond, also an NAD 4150 user, and I have a pictorial showing how SCA can be installed in an NAD 4020. Al says: "I'm sentimental for older tuners with knobs rather than buttons, levers, etc. There are few models with excellent specs that have digital tuning with a knob. And I think that older tuners were better on image rejection and selectivity. I appreciate the convenience of push buttons and realize DX listening is done by fewer and fewer people."

Another station off the air is WOPD 94.3 Lake City FL. John Combs said its tower fell early in the morning of 1-21 into Alligator Lake. "Record low temperatures of 5-10° caused ice buildup on the guy wires which caused the fall. WOPD is off-air indefinitely."

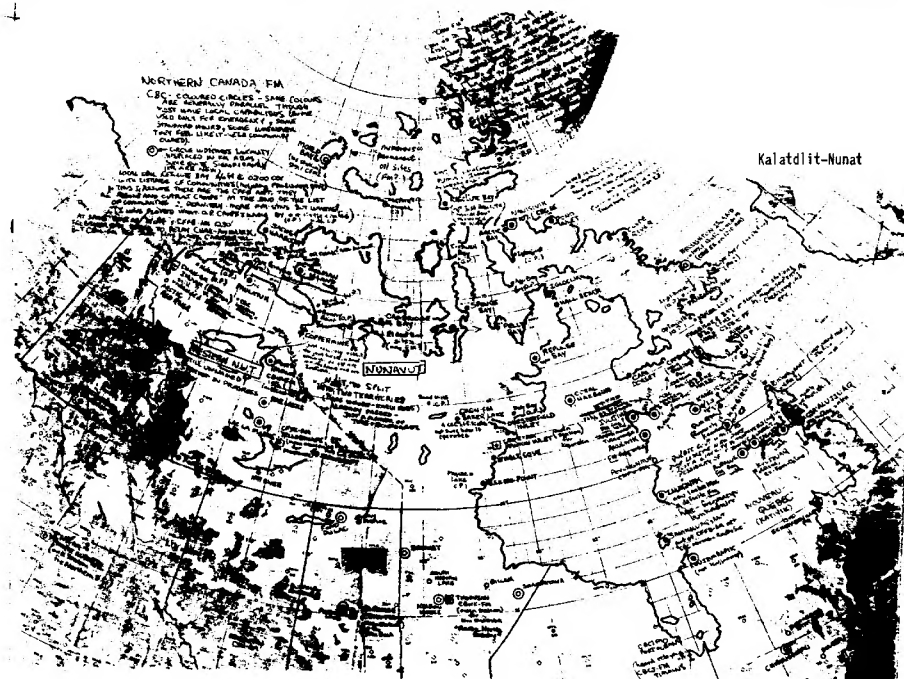
This classified ad I meant to place under "Facilities Changes," but only found it while typing this page; I believe John Ebeling saw it in Radio World. Jim Pizzi, who supplied much of the Mexican station information this month says "When old Mexico is in I try and see if they have stereo or not, also check formats and slogans." Popular Communications, p. 67, Jan. '85 had a brief mention of an experimental FM permit to a K02XGQ Portland OR, run by Stuart J. Kaplan, 104.1 mhz, "to develop another alternative for FM B/C allowable in small controlled areas." A mini-translator like I proposed to the FCC?

**FM96 WKTZ**

*Music that makes you feel great.*

is back on air at 100000 h, v; after being off the air because of "deliberate damage to our transmitting facilities caused by a high-power rifle." Jacksonville FL, 96.1. The WPKT \*88.3 translator in CT is off air indefinitely; "really no need for it anymore now that WPKT has moved from Middlefield to Meriden and increased ERP toward Hartford. The Son SRF-A100 is poor on FM, low sensitivity and very prone to overload. AM section is very good," writes John Ramsey. A church is buying WNEV 107.9 San Clemente, but will carry sports, as it now does. Watch for music to go to gospel]. Club member Max Engel kindly sent tapes of the Ray Brian DX show from his local WABC New York. "It may interest you that I corresponded with Edwin H. Armstrong in the 1940s. I recorded the first commercially sponsored FM program, featuring the Rochester (NY) Symphony Orchestra. During the intermission Major Armstrong states 'nothing will stop FM now'. Ray Manson, president of Stromberg-Carlson (sponsor of the broadcast) introduced Major Armstrong. I have been an FM listener since 1946. My 1946 Stromberg-Carlson AM-FM-SW model 1121 receiver is in operative condition, and my family and I enjoy listening to it from time to time. In 1960 we purchased one of the last Stromberg-Carlson console receivers, distributed by General Dynamics."





Enclosed here is a little research and tidbits of information on northern Canada FM. I thought a map might be easier to show certain things. I'm leaving Resolute (NWT) on the 11th (Jan.) and will be in Cornwall ON for a little while. . . If you phone any of the local FM stations on this map, remember to talk slow, as the Cree and Inuit talk very slowly naturally. Besides, how fast would you be talking if you were out in -42° weather all the time? Facial expressions take the place of words. There is a new FM station in BC (location unkn) around 96 MHz, xtr of CFNI-AM Port Hardy BC, received at Cape St. James BC (S. tip of Queen Charlottes) during tropo, by a friend. NT Nanisivik 107.1 CBC N. Radio Service, relays CFFB AM Frobisher Bay. More new FM stations, frequencies unknown with phone # (819 area code): PQ Akulivik 496-2033; PQ Aupaluk 491-7088; PQ Inukjuak 254-8967; PQ Ivujivik 922-9966; PQ Kangiqsuajuaq 337-5248; PQ Tasujuaq 633-9915; PQ Kangiqsuajuaq 338-3365; NT Broughton Is. 927-8864; NT Polaris 253-6044; NT Nanisivik 436-7422; PQ Sal-luit (Tagamut Nipinat, Inc.) 255-8822. Anyone having access to a Canadian Wats line, please call and find out more.

The map: To clarify what may not be readable: Little circles are Outpost Camps (OP) where low-power FM stations may exist. Writing at top is about CHAR, which is explained under "NonIDs." You'll note that the NWT is to split into two territories, probably in 1985; just a matter of time and settling boundaries. "Nunavut" will be one part; Western NWT still unnamed, "contest in progress." In N. Quebec is written: "Quebec govt. wants to dump extreme Northern part—just a liability to taxpayers (native peoples mainly); possibility of it joining Nunavut?" Good luck in reading the rest! Bill points out that many locations in western Quebec misplaced in the FM Atlas—like Rouyn, Val D'Or, Mont-Laurier, L'Annonciation, Rapides-des-Joachims, Maniwaki. I'll have to find a better reference atlas!

Also in Canada news, Walter Patton sent a clipping about a

heating-up race for 97.3 in Toronto, with three companies vying for the channel. Master FM on the CN Tower would house the transmitting antenna. One broadcaster wanting the channel is Martin Rosenthal, owner of Cogeco's CFMX, "Canada's only commercial classical music station. Because of its location, CFMX has a marginal presence in Toronto and Rosenthal hopes his second classical station will serve Metro with a clear, strong signal." CJCL AM and CJBX FM London are also interested, with CKEY (590 AM) still uncommitted about FM. "The Fort St. James BC TV Society was granted four CANCOM FM rebroadcasters, for" which no reliable decision was announced. They have two FM transmitters, but it is not known which of the announced frequencies (97.1, 99.1, 101.1 and 103.1) they will use. "I accidentally omitted the location of Arctic Red River NW in my last letter. It is 250 km E. of Old Crow YT." SCMO grant, PQ Magog CIMO 106.1 for remote transmitter control; but I will not list it unless a reporter confirms X-type noise on it most of the time it is on the air.

"A cut of \$75-million in CBC's government grant will result in a drastic reduction in new capital expenditures leading to a decline in new transmitter applications. . . CKMF 94.3 Montreal convinced the CRTC that its disco/dance music was actually within their MOR format mandate and not rock. The Commission is going to classify Windsor stations as 'experimental' in order to get around its own stiff rules. Windsor stations are taking a beating from Detroit, with their audiences at times being in the hundreds. This would, for instance, allow a top 40 format which the CRTC specifically forbids on FM. The Commission has also been forcing cable companies to drop U. S. FM stations soliciting ads in Canada as well as U. S. all-religion stations." Not enough for another full page, so I'll close for now and list contributors next month. Keep the contributions coming, and good DX!

# VHF UTILITY DX

This month in VHF Utility DX....DX from Marshall Cubitt of Smith Falls, Ontario Canada and Bill Nollman of Hartford, Connecticut: a little C & C.

**BILL NOLLMAN**  
West Hartford, CT reports

```
=====
KCD 346 33.94
TOLLAND COUNTY MUTUAL AID
TOLLAND COUNTY CT
=====
KCD 346 33.80
TOLLAND COUNTY MUTUAL AID
TOLLAND COUNTY CT
=====
KCF 569 33.78
TOLLAND FIRE
TOLLAND CT
=====
KNEQ 612 463.175
TOWN OF GROTON
GROTON CT
=====
UOE 555 47.50
TOWN OF GROTON
GROTON CT
=====
USF 238 46.18
VALLEY SHORE EMERG COMM
VALLEY SHORE CT
=====
USF 238 33.96
VALLEY SHORE EMERG COMM
WESTBROOK CT
=====
146.79
VHF 2 METER REPEATER
VERNON CT
=====
146.73
VHF 2 METER REPEATER
MORRIS CT
=====
KCH 209 33.96
WATERFORD FIRE
WATERFORD CT
=====
KCD 850 37.22
WATERFORD POLICE
WATERFORD CT
=====
KCD 850 37.20
WATERFORD POLICE
WATERFORD CT
=====
KXQ 885 33.92
WEQUETEQUOCK FIRE DIST
WEQUETEQUOCK CT
=====
33.48
WEST HARTFORD FIRE
WEST HARTFORD CT
=====
KCC 284 33.90
WILLAMANTIC AREA FIRE ASS
WILLAMANTIC CT
=====
KCC 284 33.78
WILLAMANTIC FIRE ASSOC
WILLAMANTIC CT
=====
KQV 555 33.64
WILLAMANTIC FIRE
WILLAMANTIC CT
=====
KCA 768 39.94
WILLAMANTIC POLICE
WILLAMANTIC CT
=====
KCD 473 33.70
WOLCOTT FIRE
WOLCOTT CT
=====
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**Marshall Cubitt**  
Smith Falls, ON reports

Quebec 2 Meter Repeaters

```
147.06
MONTREAL
+++++
UE2 CRA
448.30
HULL
+++++
UE2 CRA
146.94
HULL
+++++
UE2 CSO
146.70
HULL
+++++
UE2 KPG
147.36
HULL
+++++
UE2 MCR
147.12
MONTREAL
+++++
UE2 MS
146.85
MONTREAL
+++++
UE2 REI
147.335
+++++
UE2 RM
147.00
MONTREAL
+++++
```

NEW YORK 2 Meter Repeaters

```
W42 ERP
146.64
+++++
147.00
AUBURN NY
+++++
W2 JRR
147.255
BATAVIA NY
+++++
147.015
FULTON NY
+++++
145.33
FULTON NY
+++++
147.04
POSDAM NY
+++++
N2 MD
146.91
RUSSELL NY
+++++
146.91
SYRACUSE NY
+++++
W2 ZTY
147.33
TUPPERLAKE NY
+++++
146.71
WATERTOWN NY
+++++
W2 JLR
147.225
WATERTOWN NY
+++++
```



160.80  
AMTRAK COMMUNICATIONS  
NEW LONDON CT  
=====

45.38  
AVON POLICE  
AVON CT  
=====

33.92  
USU 646 33.92  
CENTER GROTON FIRE DIST  
GROTON CT  
=====

33.62  
KSD 575 33.62  
CHESIRE FIRE  
CHESIRE CT  
=====

33.90  
KGC 263 33.90  
COLCHESTER EMERG COMM  
COLCHESTER CT  
=====

46.18  
KGC 263 46.18  
COLCHESTER FIRE  
COLCHESTER CT  
=====

154.86  
KTS 495 154.86  
CONNECTICUT STATE POLICE  
SOMERS CT  
=====

42.38  
CONNECTICUT STATE POLICE  
=====

42.04  
CONNECTICUT STATE POLICE  
=====

42.36  
CONNECTICUT STATE POLICE  
=====

46.18  
KCB 794 46.18  
DANBURY FIRE  
DANBURY CT  
=====

154.845  
KNCY 616 154.845  
DANIELSON POLICE  
DANIELSON CT  
=====

33.96  
KNCU 541 33.96  
EAST LYME FIRE  
EAST LYME CT  
=====

154.19  
KDA 658 154.19  
FOSTER FIRE  
FOSTER RI  
=====

33.92  
UOL 690 33.92  
GROTON FIRE  
GROTON CT  
=====

155.07  
KCH 235 155.07  
GROTON POLICE  
GROTON CT  
=====

39.14  
KCC 810 39.14  
GROTON POLICE  
GROTON CT  
=====

154.085  
GROTON PUBLIC WORKS  
GROTON CT  
=====

46.06  
KCY 594 46.06  
GUILFORD FIRE  
GUILFORD CT  
=====

155.535  
JOHNSTON POLICE  
JOHNSTON RI  
=====

463.10  
LEDYARD AMBULANCE  
=====

33.70  
KCE 721 33.70  
LITCHFIELD FIRE  
LITCHFIELD CT  
=====

151.74  
KDH 534 151.74  
MC CARTHY OIL COMPANY  
MONTVILLE CT  
=====

33.96  
KOL 885 33.96  
MONTVILLE FIRE  
MONTVILLE CT  
=====

173.225  
KCE 361 173.225  
NEW LONDON DAILY NEWS  
NEW LONDON CT  
=====

33.94  
KCA 276 33.94  
NEW LONDON FIRE  
NEW LONDON CT  
=====

453.80  
KKC 961 453.80  
NEW LONDON HOUS AUTHORITY  
NEW LONDON CT  
=====

37.26  
KCA 554 37.26  
NEW LONDON POLICE  
NEW LONDON CT  
=====

155.22  
KNCH 554 155.22  
NORTH KINGSTON AMBULANCE  
NORTH KINGSTON RI  
=====

47.66  
KJT 798 47.66  
NORTH STONINGTON FIRE  
NORTH STONINGTON CT  
=====

33.92  
KGY 225 33.92  
NORTH STONINGTON VOL FD  
NORTH STONINGTON CT  
=====

33.66  
KCB 979 33.66  
NORWICH FIRE  
NORWICH CT  
=====

33.90  
KCB 979 33.90  
NORWICH FIRE  
NORWICH CT  
=====

33.74  
KCB 979 33.74  
NORWICH FIRE  
NORWICH CT  
=====

39.90  
KCA 773 39.90  
NORWICH POLICE  
NORWICH CT  
=====

158.775  
KTZ 464 158.775  
NORWICH PUBLIC UTILITIES  
NORWICH CT  
=====

37.94  
NORWICH PUBLIC WORKS  
NORWICH CT  
=====

155.175  
NORWICH SCHOOL BUSES  
NORWICH CT  
=====

155.16  
NORWICH TAXI/PAGING  
NORWICH CT  
=====

462.95  
NORWICH/NEW LONDON EMS  
NEW LONDON  
=====

462.95  
NORWICH/NEW LONDON EMS  
NORWICH  
=====

46.18  
KCB 791 46.18  
OLD SAYBROOK FIRE  
OLD SAYBROOK CT  
=====

155.22  
KUE 618 155.22  
PROFESSIONAL AMBULANCE  
MONTVILLE CT  
=====

33.70  
UGU 349 33.70  
PROSPECT FIRE  
PROSPECT CT  
=====

33.90  
KXU 431 33.90  
QUIN VAL EMERG COMM  
QUIN VAL CT  
=====

33.80  
KXU 431 33.80  
QUINNEBAUG VAL EMERG COMM  
QUINNEBAUG VALLEY CT  
=====

154.875  
KCB 260 154.875  
SOUTH KINGSTON POLICE  
SOUTH KINGSTON RI  
=====

33.92  
KYD 778 33.92  
STONINGTON FIRE  
STONINGTON CT  
=====

33.92  
KYD 777 33.92  
STONINGTON FIRE  
STONINGTON CT  
=====

# NORTHERN FM-DX

Saul Chernos  
79 Ridge Drive  
Toronto Ontario  
Canada M4T1B6

March 1985

Report your FM DX to this column if it is received from: AK CT HA IL IN IA ID ME MA MI MN MO MT NH NJ NY NE ND OH OR PA RI SD VT WA WI WY and CANADA and outside Canada-USA.

While many Easterners were basking in record high temperatures, Midwesterners were not fortunate enough to experience this Christmas Indian Summer. Burnt River just after Xmas featured steam fog blowing rapidly Northwards, the result of quickly melting snow and lake ice. Tropo more up than usual but not great; I hear others had it better. At least we'll save on furnace oil! I'd be curious to know IF things were happening on the warm-cold front line.

DANIEL E. OETTING - 2882 Old Cedar Grove Rd. - Broomall PA 19008

JUNE 1984

21 Es (lots of unIDs)  
1920 KXCV 90.5 MO Maryville c  
1930 KUMR 88.5 MO Rolla NPR  
2004 Es off FM band  
24 Tr  
0347 WPKN 89.5 CT Bridgeport s-off  
JULY 1984 3 MS  
0750 WHIT 91.3 WI Highland w/"No  
matter where you are in WI this morning"  
6 Tr (WXTU 92.5 off for nearly 2 days)  
0400 WMJQ 92.5 NY Rochester r  
0403 WINC 92.5 VA Winchester  
6 MS  
1337 KQRS 92.5 MN Golden Valley "That's  
tonight at...in StPaul"

11 Tr  
1045 WSFL 106.5 NC New Bern rs

19 Tr  
2040 WQWK 96.7 PA University Park r

22 Tr  
0630 CJRT 91.1 ON Toronto c (strong)

26 Es  
2151 KUSD 89.7 SD Vermillion

30 MS  
0500 CBSMT 89.5 ON Sault SteMarie w/many  
bursts...a Canadian stn ment. Timmins ON  
& gave wx, all in OC & ment. Environment  
Canada. (Them for sure-saul)

AUGUST 1984

6 Tr (104.5 WSNi off)  
0214 CHUM 104.5 ON Toronto r "Toronto's  
Ultimate Rock, Chum-FM"

6 Es  
2010-2015 unIDs 94.9r, 90.5nx AR?

11 Tr  
1150 WJJB 97.7 NY Hyde Park r

1503 WHCU 97.3 NY Ithaca c  
1614 CIGL 97.1 ON Belleville b "Beautiful  
mx that makes your day, that of CIGL-FM"

1627 WAFR 88.3 NY Syracuse  
25 GW

0013 WQVR 98.3 NJ Ocean City r new-to-air  
29 Tr (WQXA 105.7 off)

1049 CHRE 105.7 ON StCatharines b

1051 WRVL 88.3 VA Lynchburg g (strong)

COMMENTS:

Hello all. It's been awhile since my last report. I've been kept busy at work and at the college's radio stn, WDCR. I'm a DJ and NxDirector at this little 20-watt closed circuit 640KhzAM stn. (operates 0800-1800 Mon-Fri).

1984 a bad year here for Es. Only rec'd 3 new skip stns in the regular summer-spring season. The off-season opening actually produced more new stns, which shows exactly how bad the year was. Missed all the real good Tropo openings this year. 73's, Dan.



SEPT 1984

3 Tr (WKSZ 100.3 off)  
2035 WFOR 100.5 NY Rochester rm  
2103 WOEZ 100.9 PA Milton b

OCT 1984

7 Tr  
0915 WBUF 92.9 NY Buffalo r  
2300 Good Tidewater reception  
2325 WKHK 95.3 VA Petersburg k  
2345 WMYX 93.7 NC Elizabeth City r  
2358 WKJX 96.7 NC Elizabeth City k

8 Tr

0015 WRVQ 94.5 VA Richmond r  
0738 WRCH 100.5 CT New Britain b  
0745 WHGN 105.9 CT Hartford rp

11 Tr

1937 WQNY 103.7 NY Ithaca r "Q-104"

15 Tr

2230 WQKS 96.5 VA Williamsburg "Kiss" sm  
2330 WKEZ 94.1 VA Yorktown k

17 Tr

1010 WRVL 88.3 VA Lynchburg g (strong)

20 Es OUT OF SEASON E-SKIP

1348 WYLD 98.5 LA New Orleans s

1350 WRZB 97.1 LA New Orleans

1353 WBYU 95.7 LA New Orleans b

1356 WQUE 93.3 LA New Orleans r

1405 WCKW 92.3 LA LaPlace k

1407 WLUN 95.3 MS Lumberton k

1431 KSEJ 88.1 TX Humble g

1500-1956 Es off FM

1959 unID 88.5 "Safari" prgm

2005 Es off FM

NOVEMBER 1984

1 Tr

1000 WRKI 95.1 CT Brookfield rp

24 GW-Tr

0816 WEEK 89.5 NJ Cherry Hill b new stn

0828 WRGN 88.1 PA Sweet Valley g

DECEMBER 1984

1 Tr-AS

2104 CIGL 97.1 ON Belleville b

2141 WRRB 107.9 NY Syracuse k

11 Tr (nice duct)

2115 WHOM 94.9 NH MtWashington b

2211 WVOS 95.9 NY Liberty r

12 Tr

2100 WSUL 98.3 NY Monticello hockey

-----continued----->

BOB SMOLAREK - Rd # 1 Box 63 - Whitehouse Station NJ 08889 Carver TX-11

## SEPT 1984

3 Tr  
1844 WUUU 102.5 NY Rome  
8 Tr  
2248 WVOR 100.5 NY Rochester  
(Solid Gold Sat. Night prgm)  
2250 WYRK 106.5 NY Buffalo k  
2254 CJQR 97.7 ON StCatharines k  
9 Tr (WYNY 97.1 NYC off)  
0030 WSHH 99.7 PA Pittsburgh  
(Nice 'n' Easy)  
0045 WWSW 94.5 PA Pittsburgh r  
(Dick Clark's Solid Gold prgm)  
0054 WPTT 92.9 PA Pbrg "ThePoint"  
0100 WASH 97.1 DC Washington r  
0101 WBGW 97.1 ME Bangor k  
0110 WRUT 97.1 VT Rutland r  
10 Tr  
2305 WPFW 89.3 DC Washington  
13 Tr  
2130 WPEL 96.5 PA Montrose g u/WNDB  
18 Tr  
1915 WHUS 91.7 CT Storrs  
1923 WJMJ 88.9 CT Hartford

ERNIE COOPER - 5 Anthony St. - Provincetown MA 02657

## SEPT 1984

23 Tr  
0204 WYFT 99.7 VA Norfolk g, prgm called  
"Music Thru The Night"  
0251 WFLZ 99.3 VA Petersburg "Magic 99" r  
30 Tr-GW  
0228 WTBC 94.3 CT New Haven r PSAs  
OCT 1984  
1 Tr-GW  
0216 WHAI 98.3 MA Greenfield k "Country  
Overnight" prgm  
0230 WNOU 98.3 CT Willimantic "New 98" r  
Eddie Schaeffer Show  
24 Tr  
0135 WHYR 95.9 ME Saco (ex-WFIG(i-saul))  
"FM 96" still k

30 Tr  
0200 WRUT 97.1 VT Rutland RKO r "The hits  
are here on WRUT"

## NOV 1984

2 Tr-GW  
0205 WNOU 98.3 CT Willimantic r&b mx  
4 GW  
0130 WKKZ 96.7 NH Rochester r lclads  
14 GW

1330 WLYT 92.5 MA Haverhill m  
1400 WSNY 93.3 MA Taunton r  
2 Tr (Ernie, date an error-saul)  
0202 WLNH 98.3 NH Laconia r  
\*also noted a parasitic signal on about 100.6  
& loud carrier on 106.9 (What's a parasitic  
signal? I'd suggest you watch 106.9 for a  
pirate if no stn should be there; beware, too  
of cable interference if that's the case-saul)

want to see what the stn looks like, see the film when it's released. The calls & studio are  
the real thing, but the town name is fictional (Adams Port). Incidentally, WMR rec'd  
CORRECT rep'ts from BOB SMOLAREK NJ and JOE FELA NJ....our furthest listeners so far.  
I've a 1984 Ford Escort Station Wagon w/ poor AM/FM radio (Ford DOES make duds!-saul). While  
in FLORIDA, I rented a Chevrolet with a tremendous FM radio, and I wonder if a GM FM Stereo  
can be installed in a Ford Escort, and if it can be removed when trade-in time comes? Or  
does anybody have another idea for a high calibre car FM Stereo system? --30-- , ernie  
(After 4 years of Journalism school, I'm sick of --30-- s...so just 73, heh!!!!-saul)more,

## OCTOBER 1984

16 Tr  
2215 WSPF 106.5 NC New Bern  
2300 WOEL 89.9 MD Elktion o/WKCR  
2335 WIOC 94.3 NJ Avalon  
2340 WWTR 95.9 DE Bethany Bch "96Rock"  
17 Tr  
2203 WNRB 100.7 NJ Wildwood  
2210 WNR 98.7 VA Norfolk r o/WKRS  
2325 WNSY 97.3 VA Newport News  
29 Tr (WAWZ off)  
0200 WAAL 99.1 NY Binghamton  
0202 WSPM 99.3 PA Harrisburg  
1905 WDRC 102.9 CT Hartford  
2300 WCCC 106.9 CT Hartford o/WKDN-rare  
31 Tr  
2315 WXLV 90.3 PA Schnecksville  
NOVEMBER 1984  
8 Tr  
1803 WLFR 91.7 NJ Pomona new-to-air  
10 Tr  
2315 WOCQ 103.9 MD Berlin-OceanCity  
12 Tr (WSNI off-air)  
0100 WNVZ 104.5 VA Norfolk

(Bob: Next re-  
port by Ernie  
Cooper QSLs  
WOMR for you  
(& Joe Fela)-  
--saul)

Realistic STA 52, McIntosh MR78 FM tuner  
Finco 12-elem ant. w/rotor on rooftop.

## (NOV) 27 Tr

1521 WBGW 97.1 ME Bangor ads  
2040 WVRM 89.3 NJ Hazlet trivia Questions,  
chit-chat r (QSL sez 10 watts; best catch  
ever on FM Good signal fr over an hour.  
(CONGRATS, ERNIE!-saul)  
2140 WHIT 100.3 NJ Newark r WTPDAer Paul  
Mount works here part-time Sundays, but no  
QSL yet (Try sending a few WOMR bumper  
stickers-saul)  
2155 WQWP 88.1 NY Brookville 100watts, talk  
DECEMBER 1984  
8 Tr  
1351-1739 5 stns (4 new) in & out all aft:  
WAES 93.5 NY Remsen ads  
WRVW " NY Hudson m ads (Good work on  
WSCG " NY Corinth k ads 93.5, now  
CBM " PQ Montreal c EE for 93.7-  
WKVT " VT Brattleboro (relog) -saul)

11 Tr  
1604 WEQX 102.7 VT Manchester r new-to-air  
13 Tr  
0057 WMDK 92.1 NH Peterborough r s-off 0100  
26 Tr  
1400 CBMB 91.7 PQ Sherbrooke CBC-EE c in & out  
next to WOMR w/ no slopover.

COMMENTS: WEQX 102.7 VT began operations Nov  
14, and is all-night. The film Where Are the  
Children was shot partly here in Provincetown,  
and one scene features a boy rushing into a radio  
studio with an important ant to read over  
the air immediately. THE STUDIO IS THAT OF  
OUR WOMR (Ernie works there-saul), so if you

want to see what the stn looks like, see the film when it's released. The calls & studio are  
the real thing, but the town name is fictional (Adams Port). Incidentally, WMR rec'd  
CORRECT rep'ts from BOB SMOLAREK NJ and JOE FELA NJ....our furthest listeners so far.  
I've a 1984 Ford Escort Station Wagon w/ poor AM/FM radio (Ford DOES make duds!-saul). While  
in FLORIDA, I rented a Chevrolet with a tremendous FM radio, and I wonder if a GM FM Stereo  
can be installed in a Ford Escort, and if it can be removed when trade-in time comes? Or  
does anybody have another idea for a high calibre car FM Stereo system? --30-- , ernie  
(After 4 years of Journalism school, I'm sick of --30-- s...so just 73, heh!!!!-saul)more,

ALAN "MAILBOX" HYAMS - P.O. Box 130 - BRONX NY 10464

## OCTOBER 1984

6 Tr  
2230 WSBH 95.3 NY Southampton 85  
2233 WADB 95.9 NJ PtPleasant 52  
2245 WJDB 96.5 PA Philadelphia 90  
2300 WWSK 96.5 VA Williamsburg 305  
2305 WEPG 96.9 NJ Atlantic City 115  
2320 WKHI 99.9 MD Ocean City 225  
2343 WESR 103.3 VA Only 265

## 7 Tr

0015 WNVZ 104.5 VA Norfolk 300 (So ya tried  
0050 WOHQ 104.7 MD Ocean City 225 Grizzly Bear,  
0055 WKPE 104.7 MA Orleans 210 eh? Now yer  
0058 WRDR 104.9 NJ Egg Harbor City 100 tuff enuf to  
0105 WWHB 107.1 NY Hampton Bays 80 come up here  
and drink with  
us Canajins, eh?-saul, eh?)  
73's, Al

MARSHALL CUBITT - 5 Strathcona St. - SMITHS FALLS ON K7A1V6

I am a new WTPDA member so I think you will want a Band scan for Eastern Ontario. This is  
my first band scan of FM as I'm mostly an AM DXer (290 AMS logged). (Welcome to the fold,  
Marshall; Although my address is Toronto, I'm living in Ottawa until the end of April, at  
least. Hopefully by time you read this I'll have been in touch. If not, call me at  
(613) 237-1763...until end April. Your bandscan is typical of what I normally get, with a  
little bit of Tropo. You should find DX to be best for FM in summer and fall, though it can  
happen anytime, and a good direction for you might be West and Southwest, especially Buffalo,  
Toronto, and beyond. Also, the St. Lawrence might be a good path, but then again, DX can  
come from anywhere. (NOV 17 1984)

92.7 WLUF NY Gouverneur  
93.1 WPAK NY Ogdensburg  
(they're 92.7, WNTQ is  
93.1 & in Syracuse-s.)  
93.9 CFMO ON Ottawa  
94.9 CKCH PQ Hull (CIMP-s.)  
95.3 FP (95.5 Belleville?-s)  
96.1 FF (I dunno-saul)  
96.3 CFMK ON Kingston  
96.7 WSLU NY Canton (good,  
they're going off soon; try //  
stn 89.5-saul)  
97.5 WNCQ NY Watertown  
98.3 CFPL ON Kingston

99.5 CJCB18 ON Kingston  
100.5 CBOB ON Brockville  
(100.3, & they must be now on  
the air-saul)  
101.1 CKUE ON Smiths Falls  
102.5 CBOF ON Ottawa  
103.3 CBC ON Ottawa  
105.3 CKBY ON Ottawa  
106.1 CHEZ ON Ottawa  
106.9 CKO-1 ON Ottawa  
107.5 CBCK ON Ottawa

(Marshall, for you and other  
newcomers to the hobby of  
TV-FM DXing....

- 1) Bruce Elving's FM Atlas  
is a highly accurate list  
of Canadian & American  
FM stations (& Mexican)
- 2) WTPDA puts out an equally  
good TV station guide.  
...both will sort out unIDs,  
and suggest targets to  
aim at. I hope you'll report often, and I'd be curious  
as to image problems in S. Falls. -saul)

FRED NORDQUIST - 7945 Boxford Rd. - Clay NY 13041

## JULY 1984

5 Es 1755-1828 to S. & SH.  
1800 WJWF 88.1 FL Pensacola j ID NPR 1070  
1821 KYAJ 95.7 OK Ardmore ID k 1275  
NOVEMBER 1984 (What about Aug-Oct-saul!!)  
15 Au  
1801 WTCM 103.5 MI Traverse City ID lcl ad 475  
DECEMBER 1984  
9 Es to S. no IDs 2115-2125.

COMMENTS: Only 13 new loggings this year,  
for a record low; which lowers my annual new-logging average down to 75.7/year over 16 years  
here in the Syracuse area. 73 and good DXing -- Fred.

BILL NOLLMAN - 8 Autumn Way - NORWICH CT 06360 (203) 726-0649 school, 889-7039 home

(Bill sent along a letter introducing himself; he's a new member. Welcome to the club, Bill.  
I'm passing it on to Mailbox due to it's length and nature. Bill collects radio bumper  
stickers as well, I might add, and says his location is exactly 1 1/2 miles East of WEDN-TV-53.)

## NOVEMBER 1984

21 Tr  
1846 WRKS 98.7 NY NYC "Kiss 98 FM" weak  
1847 WUSL 98.9 PA Philadelphia "Power 99 FM"  
1853 WJHU 88.7 CT W.Haven good & steady  
1902 WSNi 104.5 PA Philadelphia fair  
23 Tr  
1829 WUSL 98.9 PA Philadelphia "Key Song  
Contest" fair & fadey  
1842 WSPK 104.7 NY Poughkeepsie good  
1853 WYNY 97.1 NY NYC

1907 WFPG 96.9 NJ Atlantic City "S. NJ's place  
to relax...97 WFPG" good  
1958 WPCR 88.5 MA Amherst weak but steady  
2017 WBG 88.3 NJ Newark "Latin Jazz Sunday"  
2232 WJBR 99.5 DE Wilmington "Stereo 100" & ID  
23 MS (I omitted unIDs that would be impossible  
to solve - saul) (Send these to CCI also)  
1833 104.5 unID "Paul Harvey" Synd. Commentary  
1856 WNSY 97.3 VA Newport News "Y-97"  
2030 WGM 90.5 NY Schenectady ID

This during a short vacation home ( I am a student at the University of Hartford (CT)...in  
a dorm...a rather sad place to DX(put your rcvr near a window, it'll be a lot happier, I  
speak from exact similar experience-saul). All rec'd w/ the CM Crossfire at SW 12 feet above



(Bill Nollman cont'd)

roof and 30' above ground. No signal preamp was used. (Used to use ARCHER (Radio Shack) indoor FM amp.) Causes too much overload - I think it's new 300 ohm replacement time - might use 75 ohm next time. Receiver used is a Realistic STA-740. Sincerely, Bill Nollman.

Harry Hayes - 9 Henry St. - WILKES BARRE PA 18702 GE Superadio/R.Shack FM amp w/local stn attenuator on double quadloop cut to 104mhz

SEPT 1984  
13 Tr (EDT)  
1115 WUW 107.7 NY Wethersfield b "for the good times" strong.  
1157 WHOM 94.9 NH MtWashington b  
OCT 1984  
28 Tr (EST)  
1422 WNY 104.1 NY Buffalo r o/WXKW.

COMMENTS: In answer to your comments in the Nov.

VUD, Saul, your assumption that I have logged 700 FM stations all from Wilkes Barre or one location is wrong. I did in fact DX from both W.B. and Thornhurst PA & keep one log. Due to personal circumstances, I rarely DX from Thornhurst at all now. But, throughout my reports in years past, I have made it clear I am doing this, and that I designate receptions as made where. Thornhurst is 12 miles east of W.B. and is 1875'ASL while W.B. is 500'ASL, in a deep valley. The difference in reception characteristics is tremendous. Contrary to what some may think, I feel right in keeping one log, mainly for simplicity's sake. I could keep 2, & report separate totals, but what difference would that make? Numbers are numbers, and I'm not really trying to compete with anyone. DXing from a mountain here (as in Thornhurst) is similar to CX in the Midwest, where there are no mountains. DXing in the valley eliminates semi-locals and betters the band for SKIP & MS. Taking the poor terrain here into consideration, I feel justified keeping one log with both MOUNTAIN & VALLEY DX. Would the midwestern DXer stifle himself behind a bad obstruction like a building? I'd think not.

(EDITOR'S COMMENTS: Boom, there goes the WTFDA grenade, just like I said it would, hi! I didn't realize your two QTHs were so close to each other. I agree, 12 miles or 12 yards can make a difference. Your points are entirely valid, as far as my own philosophy goes. I feel that life on Earth is a short experience for us, and that we should enjoy it as much as possible. (I heartily recommend Jack Kerouac's On The Road). You are right, in that you are DXing your own way. As an editor who sees your loggings, they seem genuine; out of all members' reports, the odd logging is a mistake. In another club, someone invented a member and invented a lot of false loggings that were printed. Errors occur, too. I've made my share of them, myself, especially when I was new to the hobby of FM DXing. Totals is another thing. Do your own thing, but if you're (anyone, that is) reporting to a column, abide by its standards. Harry's 2 QTHs can count as one under the rules, but my 3 places are all too far apart. Lets not get too competitive, and concentrate on the hedonistic pleasure derived from listening to garbled signals on the radio. Besides, what are totals. Surely you cannot compare ten years of DXing in New York City with ten years in the Canadian wilderness. Now, an editorial decree: all future chitchat of this sort should go to MAILBOX, or in article form. (How 'bout an ethics column?) If anyone wants to draw and quarter me, Harry, or the Man from Glad for our views, do so there. I, myself, promise to reply, in Mailbox, to anything directed my way in that column. Now back to Harry.....)

COMMENTS VOL. II: MS showed an upswing in early AM of early Dec., but nosedived around the 12th, when it should have been the best. I sit on either 96.5 (w/Montrose PA off) or 96.9. But on 12th, minor Tr. had WDB on 96.5 and WJAN-WOUR on 96.9. No MS IDs this year, yet. FINALLY, I WILL NOT MAKE A PREDICTION FOR THE 1985 SKIP SEASON...SO BE IT! -Harry. (Good, everyone knows your prediction last year was responsible for the sour turn of events, hehl -saul)

BRUCE ELVING - 4515 Ave. "E" - Kearney NE 68847-2610 CST

DEC 14 Es: 1700-1830: I first tuned in on car radio in Downtown Kearney to hear 99.5 WJBR DE Wilmington w/r "B-100"... When I got home, 1757 WTUN 100.1 AL Selma w/ID, SCA; at 1800, WOOF 99.7 AL Dothan w/ store remote, music SCA; at 1830 WPAP 92.5 FL Panama City w/k, music SCA. Note direction change. As you can tell, my attention to stns coming in on Es is drawn mainly to those with an SCA. Then I flip to main channel to see what I had on SCA. I also had "T-94" 94.5 FL PtStJoe w/ music SCA, but no real ID, so am not counting it. I disagree with my friend Tom Yingling, (Dec VUD p.4) and feel strongly positive hearing of a stn (eg. mention of town, slogan...) isn't good enough. I insist on a certain standard, such as hearing so many call letters, etc.. 73ily, Bruce. (No comment, hehl-saul)

Your friendly neighborhood editor takes time out to DX what little the winter offers EST

From Toronto: Dec 23 1984 Tr 2145 unID 89.9 Tone, good sig, suspect CBC testing freq, no IDs.

From Burnt River: Dec 1984 25 Tr 2051 WQED 89.3 PA Pittsburgh; 26 Tr 1830 WCFM 90.3 OH Cleveland w/prgm, ID; 26 MS 101.1 at 1835 "Open to those low & middle income MNans" KBHP MN Bem.

And that, Kiddies, is it. No DX from Ottawa, as of late January. So G'day eh from Kanada!

NORTHERN FM DX (4) March 1985, VUD



Fred Nordquist  
7945 Boxford Road  
Clay, NY 13041  
Deadline: the 5th

# FM STATISTICS

## FM SCOREBOARD

MARCH 1985

STATION	NAME	LOCATION	TOTAL	66-92	ES	VS	AI	LSA	CA	PA	PC	TEU	VS	AS OF:
SCORE BY TOTAL														
1	PAT	DYER	TX SAN ANTONIO	1813	281	1493	32	0	43+	3	15	4	36	78 12/31/84
2	DANNY	BLATIN	CA STILLWATER	1580	242	913	4	2	46+	5	9	2	65	74 11/24/84
3	BRUCE	ELVING	NE DULUTH	1495	213	1231	3	7	44+	3	1	0	49	48 27/22/84
4	JOHN	EBELING	IN BLOOMINGTON	1444	232	613	42	79	47+	4	5	0	57	52 21/22/85
5	AL	PIZZI	NE JOVINGTON	1253	177	998	23	0	33	5	15	2	52	51 11/19/84
6	ALAN	STROBEL	IN MUNCIE	1238	325	223	43	4	38+	3	1	0	43	72 23/26/84
7	MIKE	BURGA	CT ENFIELD	1213	156	652	7	21	37+	4	2	1	42	74 12/31/84
8	FRED	NORDQUIST	NY CLAY	1212	196	584	26	57	33+	5	0	2	25	22/23/85
9	FRED	MCDORMACK	ND DES LACS	1200	140	801	25	87	44+	5	4	2	55	55 25/23/84
10	PETER	SAWATZKY	ON KITCHENER	1188	167	588	112	6	38+	7	0	1	47	71 11/1/84
11	TIM	MOVEY	TX BOLIVAR	1075	151	392	1	1	42	5	11	1	59	77 27/8/83
12	JOSEPH	FEJA	NY ST. PLAINFIELD	1062	218	529	2	9	37+	5	0	3	46	58 26/22/84
13	FRED	MCDORMACK	ND FARBO	1060	105	565	3	48	47+	5	2	2	54	74 26/23/84
14	HANK	MCDORMACK	ND CHEVY CHASE	814	202	216	15	0	35+	5	0	3	44	59 24/25/84
15	SCAL	CHERNOS	CA PLANT RIVER	768	114	414	48	78	37+	7	2	0	45	77 24/15/82
16	JOHN	JEFFERSON	CA ALEXANDRIA	765	158	417	29	0	24	4	0	0	32	57 28/19/84
17	JOHN	EBELING	IN FRESNO	672	121	354	3	5	44+	8	2	0	51	75 21/22/85
18	DANIEL	GETTING	PA BROOKMILL	657	151	226	6	3	32+	5	0	0	39	77 11/1/84
19	RICHARD	STEINBERGER	PA HUDSON	640	133	286	12	0	35+	4	0	0	48	58 29/22/84
20	JEFF	KADET	IL MACOMB	639	114	55	4	0	32+	3	0	0	36	63 25/25/83
21	JOSEPH	SMITH	NY JOHNSON CITY	635	80	165	3	2	34+	2	1	3	71	24/22/84
22	KEN	SIMON	FL LAKE WORTH	526	145	429	0	0	34+	2	2	0	47	66 29/1/83
23	ALAN	NICHOLEX	MA SPRINGFIELD	485	55	256	2	0	35	4	0	0	48	52 27/25/84
24	PAT	DURKIN	WI WEST ALLIS	428	89	81	0	0	32+	3	0	0	36	78 26/29/84
25	THOMAS	YINGLING	MD BALTIMORE	354	54	131	1	0	2	0	0	0	21	24/28/84
26	PAT	DURKIN	IN WOODBURY	329	51	97	2	0	31	1	1	0	33	81 28/29/84
27	MIKE	HOGAN	IL BURNHAM	315	62	32	0	0	24	1	0	0	25	75 28/15/84
28	BOB	SMOLAREK	NJ OLDWICK	263	60	1	0	0	15	1	0	0	16	78 12/25/84
29	BOB	SCHWEITZER	NJ EBRASWICK	245	75	7	0	0	14	0	0	0	12	77 28/1/84
30	PAUL	MOUNT	NC TREASICK	216	28	28	0	0	21+	1	0	0	23	79 24/22/84
31	ROBERT	ROSS	ON LONDON	224	43	19	0	0	14	1	0	0	15	75 22/21/83
32	RONALD	MURDOUE	MI BYRON	186	3	95	0	0	20+	2	0	0	24	81 26/30/84
33	WILLIAM	HEPBURN	ON NIAGARA FALLS	144	51	35	2	0	13+	1	0	0	20	73 28/18/84
34	JOE	MARLINO	ND CHEVERLY	128	16	2	0	0	9+	2	0	0	7	78 28/22/84
35	BOB	SCHWEITZER	NJ OLD BRIDGE	125	33	2	0	0	9+	2	0	0	8	32 28/12/84
36	WILLIAM	HEPBURN	VT CORA HARBOUR	56	5	55	0	0	2	5	0	0	13	54 26/10/84

VERIFIED

COLUMN DEFINITIONS are as follows: Total=Total number of FM stations logged. (Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes.) 66-92=All stations logged from 66.0 to 91.99 mhz. ES=Total number of stations logged via E-skip. VS=Total by vector scatter. AI=Total via Aurora. LSA=Total number of states and the DC = Washington, DC. CA=Number of Canadian provinces logged. IN=Number of Mexican states logged. PC=Number of foreign countries, but not Canada or Mexico. TEU=Total number of political units/areas of USA CN VS and FD. VB=The year you began DXing

## STATES STATS

USA			STATE			STATE			STATE			STATE			STATE		
STATE	#-DXER	#-DXER	STATE	#-DXER	#-DXER	STATE	#-DXER	#-DXER	STATE	#-DXER	#-DXER	STATE	#-DXER	#-DXER	STATE	#-DXER	#-DXER
AL	54-TMC	46-JED	HI	0-NONE	0-NONE	MA	89-RS-2	77-VB	NY	33-JED	31-FMC	SD	25-FMC	28-FMC	TX	93-JAY	82-TMC
AZ	11-JED	0-NONE	ID	22-DUB	13-PDY	VT	135-FMC	115-RS	WY	159-FMC	133-DNA	UT	12-RS-2	13-VB	WA	217-PDY	21-RS-2
CA	36-PDY	29-FMC	IL	149-RS	115-3011	WV	135-JED	119-JED	NC	66-3011	66-PDY	WY	21-PDY	22-DUB	TX	217-PDY	21-RS-2
AR	55-DUB	61-VB	IN	146-RS	112-DUB	MS	64-TMC	36-FMC	ND	24-FMC	23-FMC	VT	21-PDY	22-DUB	TX	217-PDY	21-RS-2
CA	253-JED	187-PDY	IA	38-JED	59-3011	OK	73-181	44-FMC	CO	183-RS	177-FMC	VT	12-RS-2	13-VB	WA	46-DUB	41-FMC
CO	5-JED	47-PDY	KS	68-DUB	44-FMC	MT	25-PDY	16-FMC	OK	98-DUB	42-FMC	VT	46-DUB	41-FMC	WA	46-DUB	41-FMC
CT	43-PDY	33-PDY	KY	58-RS	42-PDY	NE	41-JED	25-PDY	OR	31-PDY	19-FMC	WA	33-FMC	29-RS	TX	217-PDY	21-RS-2
DE	11-SWE	13-DUB	LA	53-RS	42-3011	NE	15-FMC	17-FMC	PA	122-DNA	124-DUB	WA	123-3011	115-JED	TX	217-PDY	21-RS-2
FL	125-DUB	124-PDY	ME	38-RS-2	14-JED	WV	22-RS-2	15-VB	RI	11-RS-2	10-VB	WA	13-PDY	12-JED	TX	217-PDY	21-RS-2
GA	62-PDY	59-PDY	MD	45-DNA	40-DUB	NC	62-FMC	55-RS	SC	38-DUB	38-PDY	TX	13-PDY	12-JED	TX	217-PDY	21-RS-2

(CONTINUED NEXT PAGE)

## CANADA

PROV	•-DXER	•-DXER	PROV	•-DXER	•-DXER
AB	19-2Jed	15-JP1	NS	8-SD1	6-DN1
BC	17-2Jed	7-Jed2	ON	79-DN1	66-SD1
MB	19-2Jed	18-2Jed	PE	2-2Jed	1-2Jed
NB	3-Fne	3-RS12	PD	19-Fne	18-RS12
NF	9-Fne	8-DN1	SK	8-Fne	7-2Jed

## MEXICO

STATE	•-DXER	•-DXER	STATE	•-DXER	•-DXER	STATE	•-DXER	•-DXER
AGU	1-2Jed	2-MNE	GTJ	3-2Jed	2-MNE	QUE	3-2Jed	4-MNE
BCH	11-2Jed	18-Fne2	HAL	1-2Jed	2-MNE	SIN	2-2Jed	2-MNE
CHH	1-2Jed	2-MNE	JAL	12-2Jed	3-MNE	SLP	2-Fne	2-MNE
CHL	6-2Jed	6-Fne	MEX	1-2Jed	1-2Jed	SON	1-Fne	1-2Jed
CHP	6-2Jed	4-2Jed	MOR	3-2Jed	3-MNE	TAM	2-2Jed	2-Jed
CHT	2-2Jed	2-2Jed	MTL	4-2Jed	3-MNE	VER	9-2Jed	5-MNE
CHU	1-2Jed	2-MNE	NL	8-2Jed	4-MNE	VIC	2-2Jed	1-2Jed
CHV	5-2Jed	1-2Jed	SAH	1-2Jed	2-MNE			

## FOREIGN

COUNTRY •-DXER •-DXER

CUBA	2-MNE	1-MNE
DELIZE	1-2Jed	1-2Jed
DEPLUDA	2-Fne	2-DN1
EL SALVADOR	1-2Jed	2-MNE
GUATEMALA	5-2Jed	1-MNE
HONDURAS	1-2Jed	2-MNE
JAMAICA	3-2Jed	1-MNE
PUERTO RICO	1-DN1	1-2Jed
WTF	1-MNE	1-2Jed

## KEY TO STATS DXER INITIALS/NAME-LOCATION

AP: Alan MacLachlan	NS Springfield	1983 John Jefferson	CA Chatsworth
BS12 Bruce Eving	WA Duluth	201 Jim Pizzit	CA Lovington
20r Dave Bruford	CA Tule	202 Jim Pizzit	CA Crest
20r Danny Buntin	CA Stillwater	20r Joseph Smith	WY Johnson City
DA: David Newman	NY Peron	20r Ken Sison	CA Los Angeles
DD: David D'Amico	CA Little Rock	20r Mike Buggy	CA Enfield
DD: Daniel Gething	PA Brimfield	20r Pat Dyer	TX San Antonio
ED: Fred McConach	ND Des Moines	20r Ray Sanford	TX Burnett
ED: Fred McConach	ND Fargo	20r Bob Schweitzer	WJ Brunswick
ED: Frank Merrill	CA Toledo	20r Ralph Strobel	CA Mobile
ED: Frank Merrill	CA Tulsa	20r R. Steinberger	CA Tucson
ED: Fred Norquist	WY Day	20r Saul Chernos	CA Burnsville
ED: Jim Ayers	TX Fort Worth	20r Steve West	CA Hawthorn
ED: John Ewing	NY Bloomington	20r Tim McVey	TX Bolivar
ED: John Ewing	NY Bristol	20r Vernon Lator	CA Benton
ED: Joseph Pale	WJ S. Plainfield	20r W. H. H. H. H.	WJ Dover Harbor
ED: John Jefferson	CA Pleasanton		

And here are David Nissen's "Personal Best"

Es 95.7-MEZ ID Twin Falls (1824)

Es 95.7-MEZ ID Rio Puerco (1824)

Tr 98.7-MEZ ID Oshes (182)

Es 95.7-MEZ ID Anderson (1177)

Es 95.1-MEZ ID Kansas City (181)

These logged from Alton NY.

Here are some "Personal Best" records from Jim Pizzit:

Es 98.5 - Radio Jamaica - Sper Tree, Jamaica - 1958 ul.

Es 98.1 - JMC-2 - Cooper's Hill, Jamaica - 1958 ul.

Es 98.5 - JMC - Oranjestad, Jamaica - 1958 ul.

Tr 106.7 - JMC - Enterprise, AL - 1838 ul.

Es 98.5 - JMC - Kingsport, TN - 1297 ul.

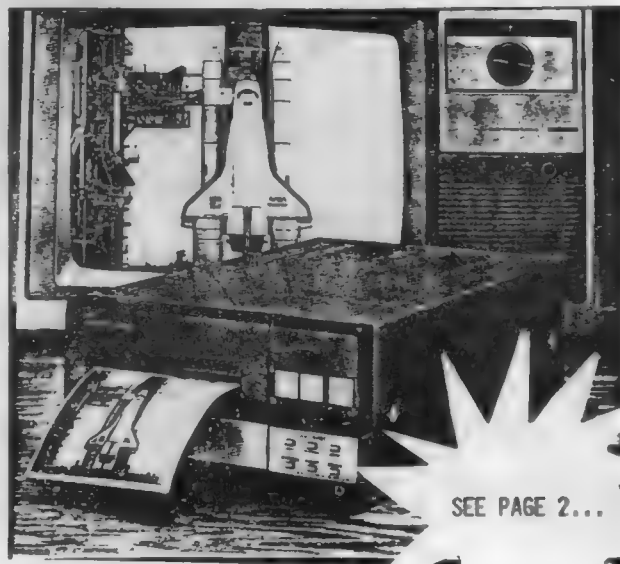
These were logged from Lovington NM.

I see that many of you are computerizing your DXing records, and using word processing in lieu of the 'old typewriter'. Let's hope that the prices continue to go down on computers/peripherals so that more of you can take advantage of this modern convenience!

Please send in your updates and "Personal Best" records you can brag about.....73, Fred.

Instant Hard Copy  
From TV, VCR, Or CRT!

The Mitsubishi Video Printer lets you produce a clear, legible copy of any image on a screen in less than 20 seconds—and it does it with one button convenience. It produces a 3 1/4" x 3 3/4" copy in 16 discrete tones ranging from black to white with an image resolution of 280/234 dots, and has a contrast adjustment that lets you add brightness to a dark image, or darkness to a light image. It's faster, more convenient, and much cheaper than photographs, and the compact 8 1/2" x 4 1/4" x 4 1/4" case fits on a bookshelf with ease. It uses a special thermal paper that produces over 200 prints per roll. You'll appreciate the remote control with a 16 ft. cord that lets you print without getting out of your chair, and the front panel control that lets you make multiple copies of an image without any loss in quality. It lets you select a positive (black on white) or negative (white on black) image at the touch of a button for optimum readability. RCA jacks on the back make it easy to hook up to your TV, VCR, or CRT terminal, and the finished image has a quality that is just a bit better than a photocopy from a copier. It's a great idea for your home or office. Operates on 110/220 VAC.



SEE PAGE 2...

## MARCH 1985

For FM DX reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Happy DXing!

## DEADLINE: 10th

Jim Pissit, P. O. Box 1778, Lovington, NM 88260

(cont. from last month)

12/12 Es	12/14 Es
1554 XHPS 102.9 VER Ver, \$, ads, r	1032
1555 XHPS 101.3 VER Ver	
1556 XHPS 99.7 VER Ver, ads, "Groupo FM"	
1557 XHPS 93.3 VER Ver, ads, \$, L, m	
1648 X 98.5 ? Hidalgo, \$, m, ads	
1654 XHPS 92.1 VER Cordoba, ads	1032
1657 XHPS 91.7 PUE Puebla, estereo amistad	
1658 XHPS 90.9 PUE Puebla	960
1702 XHPS 92.5 PUE Puebla, ID, ads	
1720 XHPS 89.7 DF	estereo mil 960
1722 XHPS 88.5 Mexico (PUE, JAL area?), L, mono "enca-ver-na"? @1800	
1723 XHPS 89.3 PUE Pue, L, "Tropicalada"	
1724 XHPS 90.1 PUE Pue, r, ad "Vittorio's Pissa"	985
1726 XHPS 88.1 DF	
1730 XHPS 99.3 GRO Acapulco, ads, L, \$	
1734 XHPS 89.5 JAL Puerto Vallarta, tent.	
1803 XHPS 92.5 MEX Toluca, ads	960
12/13 Es	12/14 Es
1742 XHPS 93.3 VER Veracruz, tent. L	
1743 XHPS 96.5 VER "	ads, L
1812 XHPS 102.9 VER "	ads
1814 XHPS 103.7 VER Jalapa, \$	
1004 unID 89.3 n. east	
1631 WYBU 88.5 OH Youngstown, YBU nx, calls	
1634 WYBU 106.7 MI Detroit, "W-4 country"	
1637 WYBU 104.7 PA Pittsburgh, "YDD"	1373
1638 WYBU 105.9 MI Detroit, ads	1260

Another great report period from this QTH. The first half of Dec. (see last month) proved again to be productive in Es. 12-2 was intense for two hours into old Mexico and Fla. At the same time 12-12 and 12-13 had old Mexico in again with good strong signals mostly on the east coast. 12-14 was a nice opening to western PA, OH, s.e. MI, IN and tailed off into GA & AL. If we can't get Es in the summer then we'll take it in the snow! Hope most everyone caught most of this one. Until next time 73s.

John Jefferson, 4016 Crest Ct., Pleasanton, CA 94566

Guess it's time to bring my FM DX report up to date. I finally bought a Compaq Plus PC last fall, and maybe it'll help keep reports timely by taking the pain out of the typing. (Don't actually mind typing - it's correcting the types!) The new year is off to a promising start with an MS logging and a rather spectacular trope catch. As always, the MR 80 was the tuner, fed by the S/Probe-9 at 55' off the ground. Underlined are new; \$ indicates a logging from Concord, my old site 15 miles from here. Was up there looking for a classical recording & just happened to take the Sony ICF-2001 along. (The KXPR logging was possible due to their recent frequency change. Was listening to them with the Met before leaving home, so positively was their signal though they had no ID while I was in Concord.)

9/3-84 MS	12/2 tr	250
0705 KRSP 103.5 UT Salt Lake City, ID	560	0100 KTFI 103.1 CA Tehachapi, ID, wx, usable!
9/37 MS	12/10 MS	
1035 KWHF 103.5 OR Pendleton, loc. ref.	565	0200 KRPM 106.1 WA Tacoma, calls
10/13 tr	12/7 tr	
0100 KHSU 90.5 CA Arcata, ID, tests	240	2359 K276BW 103.1 CA North Fork, KEAR ID
10/30 GW	12/11 tr	130
0025 KNTD 95.9 CA Livingston, ID, 1st day	65	2237 K276BW 103.1 CA North Fork, KAAT ID
11/19 tr	1/1-85 GW	
0125 KNTI 99.5 CA Lakesport, ID, tests	115	2315 KEFR 89.9 CA Le Grand, ID
11/23 tr	1/5 GW	95
2032 KSEB 97.1 CA Visalia, ID, new	175	1300 KXPR 90.9 CA Sacramento, Met opera
		50

cont.

The K213AE logging may rank as my #2 tropo catch behind KZEL 96.1 Eugene. The signal was quite readable frequently over an 8 hour period, during which I heard 4 legal ID's for KSON (1730, 1800, 2400 & 0100 on 1/20). They have 4 xlaters on 90.5, but the two on the Oregon coast were obviously the wrong direction. Both McCloud & Klamath Falls, OR were plausible, but the latter was more distant & no sign of KAGO 99.5 Klamath Falls. Called KSON & confirmed that K213AE is on. Turns out it's at 8000' ANSL (near Mt. Shasta) with about 95 watts ERP aimed this way. It's regularly usable up to 35 miles from the xmitter. So it's definitely the one.

Not far behind for impressiveness, though not a new logging, was KTFI on 12/2. They were usable in mono for a couple hours, with just a slight crackle due to the MR 80 clipping their sideband in its super-narrow mode. Even broke into stereo mode a couple times, though there was no separation worth mentioning. Incredible tropo signal for a class A station at 250 miles!

Regarding K276BW on 12/7-84, it is a KAAT 107.1 Oakhurst xlator, but after KAAT signs off at 11pm it tends to trigger on either on KEAR 106.9 San Francisco or KEAR's Mt. Oso xlator, K296CD. Have heard it several times by now, with both KAAT and KEAR programming.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075 CST

1/6 ex. gw

2200 K228BS 93.5 OK Enid

55

1/10 tr

1000 KABF 88.3 AR Little Rock, ID 290

I first heard the new KGFO Enid translator on my car FM while visiting in Enid. I was quite impressed with its very clear, interference free sound while driving around (better than that of the Stillwater KGFO translator which is a bit plagued with alternate channel interference from a strong Okla. City station.) So I figured it not to far-fetched to log the Enid translator after arrival back home that night and did.

#####

### Worldwide TV-FM DX Association

## PHOTO-NEWS

David J. Nieman  
12284 Nice Road  
Akron, NY 14001  
U.S.A.

March 1985



WHBQ-13 Memphis, TN 451 mile tropo from Sept. 20, 1984 (WE)

The bottom two photos are from, Bill Eckberg-Dixon, IL (WE) and John Combs Orlando, FL (JC).....



WKPT-40 Payetteville, NC 468 mile tropo from July 5, 1984 (JC)

Dave



## Technical Topix

### PART 2. Subsidiary Communications Authorization (SCA)

It occurred to me that some of the fine points of PLL theory were overlooked, so here I will make a few assorted comments and then continue with the homebrew SCA decoder first described last month.

Here, sports fans, is in somewhat more detail how a PLL works. A voltage controlled oscillator (VCO) generates a signal whose frequency depends on the voltage applied to its input. In Fig. 1, the VCO delivers a signal at a certain idling frequency,  $f$ , the free-running freq. of the VCO. When some input signal enters the system at "A", its freq. and phase are compared to that of the VCO signal and the difference is represented by an error voltage,  $V$ . The error is passed through a low-pass filter and applied back to the input of the VCO. The VCO frequency then changes to attempt to match the input signal--a loop action which enables the PLL to seek and then lock on to an incoming signal.

The free-running freq. of the VCO is set on the LM565 by a voltage applied to pin 8. Lock range is the range of frequencies in which the PLL can remain locked onto the input. The range of frequencies one can apply to the input of the PLL and find the system responding (that is, attempting to seek and lock on) is not infinite, but limited to those frequencies within the capture range. And since the PLL only responds to signals within the capture range, it can be said to exhibit some degree of selectivity. This makes it an ideal block for radio detectors...and demodulation, signal conditioning, frequency synthesis, data synchronization, precise motor speed control, etc.

Having said that, we now go back to construction notes. The printed circuit pattern is shown in Fig. 3. The board is 2 3/4 x 3 5/8 in. The parts layout is given in Fig. 4. PCB construction of the complete decoder is highly recommended to prevent unwanted oscillations.

Concerning the 531 op amp...The application here calls for a high slew rate amplifier stage. 741's or simple one-transistor stages do not work. For instance, a 741 has a slew rate of about 0.5V/us, while the 531's is 35. The LF353 (TL084) with its slew rate of 13 V/us might give good results, but I haven't actually tried that particular chip. (It is sold at Radio Shack as #276-1715) Since the 353 is a dual amp, either two stages with gain of 50 each can be cascaded (preferred method) or one gain 100 stage can be wired up. The 353 is compensated. An LF356 might also be made to work here.

Installing the SCA decoder into an FM radio, logically enough, requires connection to the proper point: between the detector and the de-emphasis network in said radio. (See Fig 5) Just about all FM receivers from K-Mart portables to McIntoshes have this circuit or some similar, recognizable variation. Since it is impossible to cover every little circuit possibility, feel free to poke around in this area. Be sure the decoder is powered and connected to an audio amp, the tuner is set to an FM station known to have active SCA, that all units share a common ground, and that reasonable care is used--there is no need to poke in the audio amp or power supply! Touching just about any point in Fig. 5 will give SCA, but only one or two points seem to yield clean, undistorted sound. In some digital tuners, the AC input impedance of the decoder may trip the tuner from stereo to mono; usually just moving the SCA connection to the other end of that resistor you're already connected to will correct this. Once the SCA connection point is found, the rest is basically mechanical, and thus all up to you.

I think of convenience and packaging almost as much as the rest of the project, so my tuner installation has a "SCA" switch on the front panel with everything else hidden neatly inside. The SCA switch is wired as in Fig. 6 so that when listening to the radio a flip of the switch will replace the audio of the FM station with the audio (if any) of the SCA.



March 1985

Deadline: 4-5-85

## Illustrations:

- Fig.1: PLL block diagram  
Fig.2: not available.  
Check newspaper for local listings.  
Fig.3: PCB pattern.  
Remember this is the foil side and is NOT actual size (2 3/4 x 3 5/8 in.)  
Fig.4: Parts layout. Be sure to connect the two solder pads together with a piece of wire.

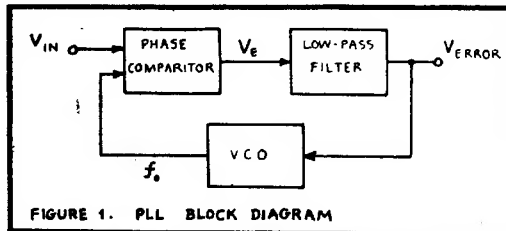
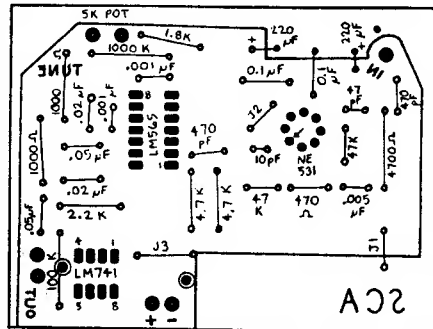
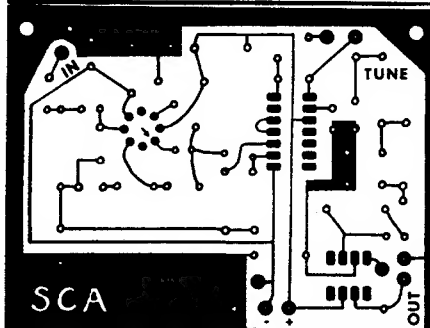


FIGURE 1. PLL BLOCK DIAGRAM



The complete decoder is a relatively straightforward project involving about \$15-20 worth of parts (excluding the cost of making the P. C. board. Note that the circuits described in this article also apply to car radios, but no attempt has been made to protect the Decoder or IC's from the severe heat or cold in vehicles...

And with that I wish the reader good luck with SCA! If you need data sheets for any of the IC's mentioned here, the list of references for this and other SCA articles, or just help on the project, write.

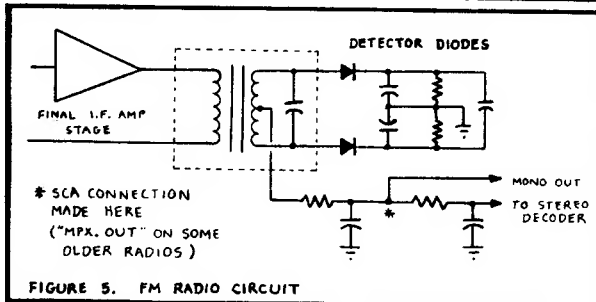


FIGURE 5. FM RADIO CIRCUIT

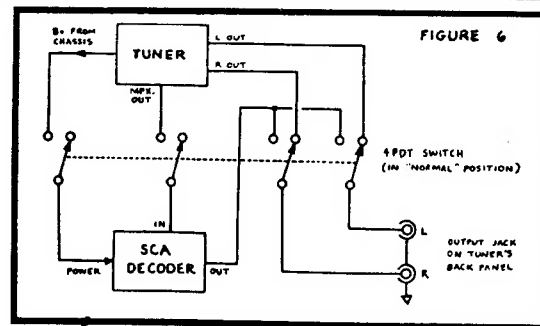


FIGURE 6

A slow month this time. No DX was noted here in Fargo. Bill Draeb wrote to advise that he had added nothing to his log book since December 18th, but he did note some unid channel 2 E skip on December 21st and 23rd. Likewise, Nate Ely reported poor DX - no Es, ms, or tropo - even poor reception from Chicago and Milwaukee.  
Fortunately, Marvin Shults checked in with his DX'ing results for late 1984.

New \_\_\_\_\_ New Mode \_\_\_\_\_ Tent. - t Unidentified - unid S/On - + S/Off - =  
ID Color Bars - @ - Unid Color Bars - % IHTP - \$ Misc. Test Patterns - &

Marvin Shults, RR#1, Toulon, IL 61483

CLT?

August 1984	25 tr 1130 W49AG 49 WI (Bloomington WHLA-31)	18 tr 1930 Cincinnati 48,64 1958 WKOI 43 IN (Over WBLN-43)
(Spencer) K80AO 80 IA K78BZ 78 IA (Spencer) KTIV- 4)	December 1984	20 tr 1735 WTLW 44 OH 1738 WTSF 61 KY 1742 WPMY 33 WV 1744 WKON 52 KY WCVN 54 KY 1745 Lexington 27, 36 1747 WVAH 23 WV 2000 Dayton 16,22,45 WPTO 14 OH 2230 WSPJ 51 OH 2241 Detroit 50,56,62 WKOI 43 IN 2242 WTJC 26 OH 2252 WITE 28 OH WSEE 35 PA WQLN 54 PA
0929 K76CE 76 IA (Spencer) KCAU- 9)	10 tr 0730 Kansas City U's 0758 Detroit 50,56,62 2013 WRGT 45 OH 2028 Cincinnati 48,64 2030 WSPJ 51 OH 2045 WTLW 44 OH 2050 WTTT 28 OH 2052 WPGHT 53 PA 2100 WKOI 43 IN (Over WBLN-43 )	1122 Clevelnd 25,43,61 1130 WOAC 67 OH 1714 WPTT 22 PA 1715 WPGH 53 PA 1735 WQEX 16 PA 1740 Detroit 50,56,62 WNEO 45 OH 1900 WQLN 54 OH Youngstown 21,27 2028 CKOO 42 ON 2035 3 unid ch 67's
0930 K65BY 65 IA (Waterloo) PTL)	6 Es 1500 CFCM 4 PQ 1600 CJBRT 2 PQ 1630 CKLT 13 NB 1730 CBFT 5 NB 17 gw 1912 WJPT 14 IL 19 tr 1000 WEVV 44 IN 22 tr 0748 KLDH 49 KS	30 tr 1120 WQLN 54 PA
November 1984	7 gw 0830 WIUM 22 IL 24 tr 2029 WSCO 14 WI 2031 W49# 49 MI? (Iron Mtn? WLRE-26) 2058 W57# 57 MI? (Iron Mtn? CBS) 2100 W59# 59 MI? (Iron Mtn? STV) W61# 61 MI? (Iron Mtn? STV) W63# 63 MI? (Iron Mtn? STV) 2204 WGVK 52 MI 25 tr 0830 K14AF 14 IA (Decorah) KYIN-24) 0858 WLJct 65 KY WRGT 45 OH	2130 KY ETV 53, 54 2137 WGN 52 OH 11 tr 0431 WUAB 43 OH 0434 WDRB 41 KY 0436 WXIX 19 OH 0440 Ohio 22, 45 0443 WEHT 25 IN 0445 WLKY 32 KY 0446 WAKR 23 OH 0449 WCET 48 OH 0450 Lexington 27, 36 0508 Detroit 50,56,62 0930 WITE 28 OH 18 tr 1900 WRGT 45 OH WPTO 14 OH Dayton 16, 22 1930 WKON 52 KY
		January 1985 27 au 2000-2100 chs 2-13 28 Es 1000 unid ch 2 CBS w 1050 XEFB 2 NL

The Michigan translators on channels 59, 61, and 63 all appeared to have scrambled video. The audio on channel 59 had basketball with Milo Hamilton.

On December 20, conditions were right for the reception of WVAH-23, Charleston past WIFR and WFHL. Again on December 30, conditions were right for the difficult reception of channels 16 and 22, Pittsburgh, past both South Bend and Dayton channels 16 and 22. It was also unusual to have three different channel 67's (believed to have been WOAC, W6TAJ, and an Ohio translator).

Heavy auroral activity was noted on channels 2-6 on January 27 with lighter auroral activity on channels 7-13.

On January 29, I was able to save one of my VHF antennas from the snatch of winter's bite by re-attaching two snapped guy lines at the 40 foot level. The transmission line is still loose, but at least, I have saved the antenna and supporting structure.

In December, I found a shorted capacitor in my ON-TV decoder. It's terrible trying to watch pay TV without any audio. One really begins to appreciate audio after this incident.

73's, Marv

## TV-QSL's

Thomas J. Yingling, jr.  
221 Pinewood Road  
Baltimore, MD 21222-2345  
1-301-282-5649

William J. Draeb  
Ellis St. R.R.#2  
Kewaunee WI

Deadline: 1st

ON	CBET	9	Windsor, 825 Riverside Dr. W., N9A 5K9. Letter from Rudy Kryger, Manager of Television Technical Services. Answer in 1 month. Ely
UT	KSL	5	Salt Lake City, Broadcast House, 5-Triad Center, 84180-5555. Form letter signed by J. Talmage Ball, Chief Studio Engineer. Follow-up letter acknowledged my photos for positive id. Answer in 1 month. Ely
NC	WUNC	4	Chapel Hill-- both from University of North
	WUND	2	Columbia----- Carolina Center for Public Broadcasting, 910 Raleigh Rd., P.O.Box 3508, Chapel Hill, NC 27514. Letter from Kip Campbell Dir. of Eng. in 8 months! Ely
PA	WPMT	43	York, Box 1868. Send back my prepared-post-card verie signed by Jack M. Schuster, Dir. of Eng reply after follow-up report send. Holbrook
OH	WTOL	11	Toledo, 730 N. Summit St., P.O.Box 715, zip-43695. Replay from Paul E. Lentz, Engineering Manager in 5 days. Perge
WV	WSWP	9	Beckley, P. O. Box "AH", zip-25802-2831. Reply H. Leon Drye, Jr., Chief Engineer with coverage-map and copy of station log in 10 days. Perge
PEI	CBAFT-5	31	Charlottetown % Box 950, Moncton, NB. Reply came from C. Renault, CE in 2 weeks. Barstow
NY	WLIW	21	Garden City, Ellington Ave., zip-11530. Got an letter from unsigned person after 3 years & 8 months wait! after follow-up report. Ross
ON	CICI	5	Sunbury, 699 Frood Rd., P3C 5A3. Letter from Michael St. Armand, Eng. Supv. who says "We are HAPPY to see that out signal reaches that far south" Reply in 8 days. Wertman
FL	WEAR	3	Pensacola, P. O. Box 12278 zip-32581. Nice letter from Serge Peter Neumann, News Director who says "Even though I am this station's news director, I take particular pride in answering your QSL request." He goes on farther and say he been member of NASWA, ASWLC, SPEEDX, & WTFDA!
NC	WKFT	40	Fayetteville, 230 Donaldson St., zip-28301 Letter from Bob duncan, O.D. in 1 week. Barstow
	WGGT	48	Greensboro, P.O.Box 1618, 330 S. Green St. 27401 Reply in 10 days from Greg Stacy, CE. Barstow

[illegible]

Reporters for this first computer-QSL Corner are: Roy Barstow, of Teaticket, MA; Rich Wertman of Lockport, NY; Robert Ross, of London, Ont; Joe Perge of Newark, OH; Hank Holbrook of Chevy Chase, MD & Nat Ely of Madison, WI. A=U=A=U=A=U=A=U  
For your information this is being done a Commodore SX-64 using Magic Desk I, and printed out on a KX-P1090 printer. Let me know how you like the print, and any ideals for improvement on this column. Also I like you to report! 73's

## Worldwide TV-FM DX Association

March 1985

Rich Wertman: 315 Pine St., Lockport NY 14094 EST

Rich Wertman: 315 Pine St., LOCKPORT, NY 14077 ED4  
Had some good openings this time; I finally got a catch into Maryland on the  
11th of Dec. and signals were choice! Also had fantastic openings into Chic-  
ago and surrounding areas on different dates! That 15 from Ontario I had down  
last time was wrong, the one was CBLFT and the other CIV6 from Quebec. I have  
been very happy with the results of both the Finco P-7 and the Winegard CP-  
4800. I can't remember watching this kind of DX any winter before this. Just  
goes to show how much a good antenna system makes a difference. However, I'm  
definitely getting a PA-4975 for the new DX installation going up in the spring.

Nov. 1984

Dec. 1984

Jan. 1985

25 Tr	0230	WJET-24 PA	125
	1800	WKHD-50 MI	240
	1900	WYTV-33 OH	180
	1930	W64AK(WVIZ)	225
		W67AL "	"
	2030	WERE-28 PA	220
		WNEP-16 PA	"
	2040	WVIA-44 PA	"
	2045	W81AJ(WNED)	100
		W73AR "	"
		W72AA "	"
	2055	W65AJ(WXXI)	110
		W56AV "	"
	2100	W64AK(WVIZ)	225
	2110	WOAC-67 OH	230
	2120	WGPR-62 MI	240
	2130	WNEO-45, WEAQ	45
26 Tr	0030	W64AK OH	225
		W67AL OH	"
	0120	WTVH-5 NY	125

11	Tr	2300	WNTM-27	PA	225
		2310	WLIO-35	OH	275
		2315	WDAU-22	PA	220
		2320	WLYH-15	PA	230
			WJEX-16	PA	215
			WETH-18	NY	120
		2330	WJNL-19	PA	220
			(now WFAT-wd)		
			WPTT-22	PA	215
		2335	WKAR-23	MI	300
			WPMT-43	PA	240
12	Tr	0030	WWVA-23	WV	285
		0045	WLYJ-46	WV	275
30	Tr	1030	WKBD-50	MI	240
			WGPR-62	MI	"
			WBBS-60	IL	480
49		1045	WFEN-66	IL	"
			WCLQ-61	OH	225
		1100	WBAO-49	OH	210
			WTEO-45	OH	"
			WPCH-53	PA	215
		1830	WUHQ-41	MI	350
			WYTV-33	OH	180
		1835	WKEN-27	OH	"
			WAKR-23	OH	"
			WFNJ-21	OH	"
		1900	WBGU-57	OH	280
		1932	WBMB-40	IN	450
			WPCB-40	PA	210
31	Tr	1210	WOAC-67	OH	180
			WCLQ-61	OH	220
			WGPR-62	MI	240

4	Tr 1215	WCLQ-61 OH 225
5		(very strong)
0		WGPR-62 MI 240
5		CICO-59 ON 200
5	1220	WGLN-54 PA 125
0	(all Erie	U's super strong)
0		WPGH-53 PA 215
5		WSEE-35 PA 125
0		WYTV-33 OH 180
5	1225	WJET-24 PA 125
0		WKIN-27 OH 180
5		WVIZ-25 OH 225
0	1230	WAKR-23 OH 180
0		WFMY-21 OH "
0		WBRE-28 PA 220
0		WNEP-16 PA "
5		WVIA-44 PA "
0		WPCB-40 PA 210
5		WNED-17 xltrs on
0		chs. 46, 56, 62, 72,
5		73, 81.
0	1235	WUAB-43 OH 225
0		(very strong)
5		CBFLT-40 ON 130
0		CBFLT-44 ON 90
5		CKCO-42 ON 180
0	1240	WBGU-57 OH 220
5		WGN-52 OH 235
0	1245	WPDS-59 IN 450
5		WRME-40 IN "
0		WWSN-44 IL 480

Dec. 1984

9	Tr	0130	WFMJ-21	OH	180
		0154	CIII-29	ON	200
		0200	WUAB-43	OH	225
		0210	WPCH-53	PA	215
		0230	WKBD-50	MI	240
		0240	WDLI-17	OH	t
		0245	WJHT-31	MI	300
		0300	WCLQ-61	OH	225
11	Tr	1200	WFHN-66	IL	495
		1210	WBSB-60	IL	"
			WCLQ-61	OH	225
		1220	WJHT-31	MI	300
		1230	WCFC-38	IL	480
		1235	WUHQ-41	MI	350
		1240	WXON-20	MI	240
		1250	WTVS-56	MI	"
		1255	WCFC-38	IL	480
		2130	WMPB-67	MD	315
		2140	WFTI-54	NY	t
		2152	WBFF-45	MD	315
		2155	WNLP-16	PA	220
		2230	unid-72;	French	
		2233	W72AT (WVIA)		230
		2240	WNSN-44	IL	480
			WBSB-60	IL	"
			WCFC-38	IL	"
		2245	WFHN-66	IL	"
			WHMB-40	IN	450
		2250	WPBG-59	IL	"
			WTVP-47	IL	480
		2255	unid-40;	Select TV	
		2300	WHNP-21	PA	225
			WTFB-33	PA	"

0		1830	WUHQ-41	MI	350
5			WYTV-33	OH	180
5		1835	WKBN-27	OH	"
5			WAKR-23	OH	"
0			WFMJ-21	OH	"
0		1900	WBGU-57	OH	280
0		1932	WHMB-40	IN	450
5	31	Tr 1210	WPCB-40	PA	210
5			WOAC-67	OH	180
5			WCLQ-61	OH	220
5			WCPK-62	MI	240
0		1212	WTVS-56	MI	240
0			WKBD-50	MI	"
0			WQLN-54	PA	120
0			WF GH-53	PA	210
0		1215	WEAO-49	OH	210
0			WNEO-45	OH	"
5			WUAB-43	OH	220
5			WSEE-35	PA	120
5			WYTV-33	OH	180
0			WKBN-27	OH	"
0		1219	WJET-24	PA	120
ch			WAKR-23	OH	180
0			WFMJ-21	OH	"
0			WNPB-16	NY	220
0			WNPI-18	NY	220

Jan. 1985

Jan. 1962 12 Saw Zenaida, 19 C. Sparrow  
4 Tr 1210 Great opening Panasonic; CM 8 bay bow-tie  
during my lunch at 68' fed with 300 ohm  
hour. CM Junior Polyclad; Lance VM  
TV w67AL(wVIZ)225 886 VHF log at 62' fed with  
25 w4AC-67 Oh 200 same; HD-73 rotor; Finco P7  
1215 w64AK(wVIZ)235 w/CP4800 amp; 75-w hardline.



